

# Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201035

Species:  Human  Mouse  Rat  Monkey (Rh)  Guinea Pig  Porcine  
 Bovine  Hamster  Dog  Monkey (Cy)  Rabbit  Plant

Tissue Type:  Normal  Adult  Fetal  Tumor  Disease  Cell line

Tissue Name: Lung

Donor Information:

Male: \_\_\_\_\_ year(s) old  
Female: 51 year(s) old

Pathological Diagnosis: Peripheral Carcinosarcoma, Mainly Adenocarcinoma, Carcinoma Infiltrating Pleura

Tumor Size: N/A

Location: right lower lobe

Components:

1. 5 curls per package
2. Certificate of Analysis

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: \_\_\_\_\_



## 35 Genes Targeted

AKT1	FGFR2	MAP2K1
ALK	FGFR3	MAP2K2
AR	GNA11	MET
BRAF	GNAQ	MTOR
CDK4	HRAS	NRAS
CTNNB1	IDH1	PDGFRA
DDR2	IDH2	PIK3CA
EGFR	JAK1	RAF1
ERBB2	JAK2	RET
ERBB3	JAK3	ROS1
ERBB4	KIT	SMO
ESR1	KRAS	

## Details of Variants

Column Header	Definition
<b>Gene ID</b>	The Gene symbol for the gene located at this position
<b>Chrom</b>	The chromosome where the target region is located
<b>Position</b>	The genomic position of the variant in the build of the genome database
<b>Ref</b>	The reference allele of the variation
<b>Variant</b>	The alternate allele of the variation
<b>Allele Call</b>	The type of variation, either heterozygous or homozygous
<b>Frequency</b>	The percentage of reads for the sample that includes the variant
<b>Quality</b>	The quality score of the variant
<b>Type</b>	The variant type, which can be SNP, MNP, Ins, Del, and Complex
<b>Allele Source</b>	Listed as Hotspot for alleles found within the hotspots sequencing file and Novel for all other alleles
<b>Coverage</b>	The number of reads that cover the region
<b>Allele Name</b>	The allele name that is defined within the hotspots sequencing file (if Novel allele, then there is no name)

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Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
MTOR	chr1	11174428	G	A	Heterozygous	6.9	23	SNP	Novel	102	---
MTOR	chr1	11184633	T	C	Heterozygous	16.7	34	SNP	Novel	36	---
MTOR	chr1	11188198	G	A	Heterozygous	9.5	19	SNP	Novel	42	---
MTOR	chr1	11189788	C	T	Heterozygous	20.6	43	SNP	Novel	34	---
MTOR	chr1	11190846	G	A	Heterozygous	15	21	SNP	Novel	20	---
MTOR	chr1	11217222	C	T	Heterozygous	6.2	35	SNP	Novel	256	---
MTOR	chr1	11217306	C	T	Heterozygous	3.7	10	SNP	Novel	244	---
JAK1	chr1	65310489	T	C	Heterozygous	24.5	160	SNP	Novel	94	---
JAK1	chr1	65311182	C	T	Heterozygous	3.3	24	SNP	Novel	2838	---
JAK1	chr1	65311191	C	T	Heterozygous	3	14	SNP	Novel	2849	---
NRAS	chr1	115252264	C	T	Heterozygous	10.3	20	SNP	Novel	39	---
DDR2	chr1	162724610	C	T	Heterozygous	13.6	15	SNP	Novel	22	---
ALK	chr2	29416348	C	T	Heterozygous	26.5	101	SNP	Novel	49	---
ALK	chr2	29416366	G	C	Heterozygous	71.2	413	SNP	Novel	52	---
ALK	chr2	29416445	C	T	Heterozygous	8.9	19	SNP	Novel	45	---
ALK	chr2	29416565	A	G	Heterozygous	5.6	12	SNP	Novel	54	---
ALK	chr2	29416572	T	C	Homozygous	100	785	SNP	Novel	55	---
ALK	chr2	29416600	C	T	Heterozygous	9.1	24	SNP	Novel	55	---
ALK	chr2	29420393	C	T	Heterozygous	4	12	SNP	Novel	198	---
ALK	chr2	29420405	T	A	Heterozygous	3.8	11	SNP	Novel	209	---
ALK	chr2	29436901	C	T	Heterozygous	17.2	27	SNP	Novel	29	---
ALK	chr2	29445209	C	T	Heterozygous	4.1	11	SNP	Novel	147	---
ALK	chr2	29445311	G	A	Heterozygous	3.9	10	SNP	Novel	155	---
ALK	chr2	29445458	G	T	Heterozygous	81	1593	SNP	Novel	153	---
IDH1	chr2	209113150	C	T	Heterozygous	5.6	19	SNP	Novel	142	---
IDH1	chr2	209113151	C	T	Heterozygous	4.9	15	SNP	Novel	143	---
IDH1	chr2	209113153	G	A	Heterozygous	4.2	11	SNP	Novel	144	---
ERBB4	chr2	212488749	G	A	Heterozygous	3.4	11	SNP	Novel	565	---
ERBB4	chr2	212488779	G	A	Heterozygous	3.5	13	SNP	Novel	508	---
RAF1	chr3	12645729	G	A	Heterozygous	3.4	19	SNP	Novel	1259	---
PIK3CA	chr3	178921554	G	A	Heterozygous	12.6	52	SNP	Novel	87	---
PIK3CA	chr3	178928094	C	T	Heterozygous	5.1	17	SNP	Novel	157	---
PIK3CA	chr3	178938954	C	T	Heterozygous	6.7	14	SNP	Novel	45	---
FGFR3	chr4	1801118	C	T	Heterozygous	16.1	58	SNP	Novel	31	---
FGFR3	chr4	1801198	C	T	Heterozygous	13.8	20	SNP	Novel	29	---

FGFR3	chr4	1805790	C	T	Heterozygous	5.5	28	SNP	Novel	273	---
FGFR3	chr4	1805828	C	T	Heterozygous	6.2	40	SNP	Novel	323	---
FGFR3	chr4	1806087	C	T	Heterozygous	4.8	16	SNP	Novel	165	---
FGFR3	chr4	1807894	G	A	Homozygous	100	11649	SNP	Novel	730	---
FGFR3	chr4	1808371	G	A	Heterozygous	3.1	11	SNP	Novel	1296	---
FGFR3	chr4	1809563	C	T	Heterozygous	8	19	SNP	Novel	50	---
PDGFRA	chr4	55097831	C	T	Heterozygous	6.3	16	SNP	Novel	63	---
PDGFRA	chr4	55097835	G	C	Heterozygous	40.3	209	SNP	Novel	62	---
PDGFRA	chr4	55121606	T	A	Heterozygous	12.5	32	SNP	Novel	48	---
PDGFRA	chr4	55133726	T	G	Heterozygous	21.9	43	SNP	Novel	32	---
PDGFRA	chr4	55144187	C	T	Heterozygous	3.3	11	SNP	Novel	642	---
PDGFRA	chr4	55152040	C	T	Heterozygous	8.5	27	SNP	Novel	82	---
PDGFRA	chr4	55152082	C	T	Heterozygous	5.2	13	SNP	Novel	77	---
PDGFRA	chr4	55152117	T	C	Heterozygous	7.5	22	SNP	Novel	80	---
PDGFRA	chr4	55161871	C	T	Heterozygous	4.7	13	SNP	Novel	128	---
PDGFRA	chr4	55161910	C	T	Heterozygous	5.6	18	SNP	Novel	126	---
KIT	chr4	55589797	C	T	Heterozygous	4.2	17	SNP	Novel	384	---
KIT	chr4	55593443	G	A	Heterozygous	3.9	16	SNP	Novel	457	---
ROS1	chr6	117638350	C	T	Heterozygous	5.4	13	SNP	Novel	74	---
ROS1	chr6	117638365	G	A	Heterozygous	7.9	23	SNP	Novel	76	---
ESR1	chr6	152419918	C	T	Heterozygous	4.7	12	SNP	Novel	85	---
ESR1	chr6	152419942	G	A	Heterozygous	4.5	11	SNP	Novel	88	---
ESR1	chr6	152419946	G	A	Heterozygous	4.3	10	SNP	Novel	93	---
ESR1	chr6	152419997	G	A	Heterozygous	5.6	15	SNP	Novel	89	---
EGFR	chr7	55221838	G	A	Heterozygous	4.8	12	SNP	Novel	84	---
EGFR	chr7	55221863	G	T	Heterozygous	5.9	16	SNP	Novel	85	---
EGFR	chr7	55221865	C	T	Heterozygous	11.8	41	SNP	Novel	85	---
EGFR	chr7	55221867	C	T	Heterozygous	5.9	15	SNP	Novel	85	---
EGFR	chr7	55221873	C	T	Heterozygous	10	34	SNP	Novel	80	---
EGFR	chr7	55221886	C	T	Heterozygous	7.8	23	SNP	Novel	77	---
EGFR	chr7	55221895	C	T	Heterozygous	9	26	SNP	Novel	78	---
EGFR	chr7	55249063	G	A	Heterozygous	55	231	SNP	Novel	40	---
EGFR	chr7	55259436	C	T	Heterozygous	7.5	27	SNP	Novel	107	---
EGFR	chr7	55259477	G	A	Heterozygous	7.3	26	SNP	Novel	109	---
MET	chr7	116415098	G	T	Heterozygous	4.5	11	SNP	Novel	89	---
MET	chr7	116434499	T	G	Heterozygous	18.4	57	SNP	Novel	49	---
SMO	chr7	128845571	C	T	Heterozygous	17.4	86	SNP	Hotspot	115	OM3152
SMO	chr7	128845592	G	A	Heterozygous	4.1	11	SNP	Novel	121	---

SMO	chr7	128846395	G	C	Heterozygous	3.7	17	SNP	Novel	702	---
SMO	chr7	128850327	C	T	Heterozygous	4	16	SNP	Novel	405	---
BRAF	chr7	140434446	GG	AA	Heterozygous	5.5	15	MNP	Novel	91	---
BRAF	chr7	140481367	C	T	Heterozygous	3.3	13	SNP	Novel	935	---
BRAF	chr7	140482808	C	T	Heterozygous	12.7	38	SNP	Novel	55	---
BRAF	chr7	140482818	T	C	Heterozygous	5.4	12	SNP	Novel	56	---
BRAF	chr7	140494263	G	A	Heterozygous	5.2	14	SNP	Novel	97	---
BRAF	chr7	140501312	G	A	Heterozygous	3.6	12	SNP	Novel	391	---
GNAQ	chr9	80412463	G	A	Heterozygous	6.7	50	SNP	Novel	342	---
GNAQ	chr9	80412517	G	A	Heterozygous	6.6	49	SNP	Novel	351	---
RET	chr10	43609175	T	C	Heterozygous	10	31	SNP	Novel	70	---
RET	chr10	43609182	C	T	Heterozygous	4.8	11	SNP	Novel	62	---
RET	chr10	43609986	C	T	Heterozygous	7.8	18	SNP	Novel	51	---
RET	chr10	43613843	G	T	Heterozygous	94	6440	SNP	Novel	430	---
RET	chr10	43613843	GC	TT	Heterozygous	4.4	6440	MNP	Novel	430	---
RET	chr10	43615627	G	A	Heterozygous	14.3	15	SNP	Novel	21	---
RET	chr10	43615676	G	A	Heterozygous	15	15	SNP	Novel	20	---
RET	chr10	43615685	G	A	Heterozygous	15	15	SNP	Novel	20	---
FGFR2	chr10	123247528	C	T	Heterozygous	4.3	15	SNP	Novel	231	---
FGFR2	chr10	123247571	C	T	Heterozygous	3.9	12	SNP	Novel	228	---
FGFR2	chr10	123258040	G	A	Heterozygous	4.7	12	SNP	Novel	85	---
FGFR2	chr10	123274826	T	C	Heterozygous	5.3	13	SNP	Novel	76	---
FGFR2	chr10	123279632	G	A	Heterozygous	11.8	72	SNP	Novel	144	---
FGFR2	chr10	123279645	G	A	Heterozygous	4.8	15	SNP	Novel	146	---
FGFR2	chr10	123279652	G	A	Heterozygous	12.2	78	SNP	Novel	147	---
FGFR2	chr10	123279660	G	A	Heterozygous	12.8	85	SNP	Novel	149	---
FGFR2	chr10	123279708	G	A	Heterozygous	4.4	12	SNP	Novel	136	---
FGFR2	chr10	123284102	C	T	Heterozygous	8.2	24	SNP	Novel	73	---
HRAS	chr11	533872	C	T	Heterozygous	17.6	34	SNP	Novel	34	---
HRAS	chr11	534301	C	T	Heterozygous	6.1	21	SNP	Novel	132	---
HRAS	chr11	534316	C	T	Heterozygous	4.8	14	SNP	Novel	124	---
HRAS	chr11	534318	G	A	Heterozygous	4	10	SNP	Novel	124	---
KRAS	chr12	25380277	G	A	Heterozygous	6.4	18	SNP	Novel	202	---
KRAS	chr12	25398201	G	A	Heterozygous	7.9	14	SNP	Novel	38	---
KRAS	chr12	25398241	A	G	Heterozygous	9.1	23	SNP	Novel	55	---
KRAS	chr12	25398244	C	T	Heterozygous	5.5	12	SNP	Novel	55	---
KRAS	chr12	25398294	C	T	Heterozygous	5.8	13	SNP	Novel	52	---
ERBB3	chr12	56477624	G	A	Heterozygous	4.1	11	SNP	Novel	146	---

ERBB3	chr12	56477632	G	A	Heterozygous	5.4	11	SNP	Novel	147	---
ERBB3	chr12	56477644	G	A	Heterozygous	4.5	14	SNP	Novel	154	---
ERBB3	chr12	56477656	G	A	Heterozygous	4.6	14	SNP	Novel	152	---
ERBB3	chr12	56477671	C	T	Heterozygous	4.6	14	SNP	Novel	152	---
ERBB3	chr12	56477694	A	T	Heterozygous	65.7	1086	SNP	Novel	140	---
ERBB3	chr12	56478861	G	A	Heterozygous	5.5	36	SNP	Novel	397	---
ERBB3	chr12	56481623	G	A	Heterozygous	5	13	SNP	Novel	100	---
ERBB3	chr12	56482315	C	T	Heterozygous	5.7	55	SNP	Novel	628	---
ERBB3	chr12	56482321	C	T	Heterozygous	6.9	87	SNP	Novel	626	---
ERBB3	chr12	56482338	G	A	Heterozygous	4	21	SNP	Novel	625	---
ERBB3	chr12	56482351	C	T	Heterozygous	3.2	10	SNP	Novel	621	---
ERBB3	chr12	56482368	C	T	Heterozygous	3.9	18	SNP	Novel	564	---
CDK4	chr12	58142246	C	T	Heterozygous	7.5	14	SNP	Novel	40	---
CDK4	chr12	58142922	C	T	Heterozygous	6.1	50	SNP	Novel	442	---
CDK4	chr12	58143287	C	T	Heterozygous	8.2	48	SNP	Novel	196	---
CDK4	chr12	58144393	G	A	Heterozygous	4.9	11	SNP	Novel	61	---
CDK4	chr12	58144456	T	C	Heterozygous	4.8	12	SNP	Novel	83	---
CDK4	chr12	58144488	C	T	Heterozygous	9.1	29	SNP	Novel	77	---
CDK4	chr12	58144665	C	T	Homozygous	100	289	SNP	Novel	22	---
CDK4	chr12	58144937	G	A	Heterozygous	4.3	15	SNP	Novel	256	---
AKT1	chr14	105246561	C	T	Heterozygous	7.9	21	SNP	Novel	63	---
MAP2K1	chr15	66727450	C	A	Heterozygous	14.1	83	SNP	Novel	135	---
MAP2K1	chr15	66727475	A	G	Heterozygous	4.1	11	SNP	Novel	146	---
MAP2K1	chr15	66727483	G	A	Heterozygous	5.6	19	SNP	Novel	144	---
MAP2K1	chr15	66727519	G	A	Heterozygous	5.9	21	SNP	Novel	135	---
MAP2K1	chr15	66727527	G	A	Heterozygous	5.2	16	SNP	Novel	135	---
MAP2K1	chr15	66729173	G	A	Heterozygous	6.6	22	SNP	Novel	106	---
MAP2K1	chr15	66729201	G	A	Heterozygous	8.3	32	SNP	Novel	109	---
MAP2K1	chr15	66729224	G	A	Heterozygous	8.3	32	SNP	Novel	108	---
MAP2K1	chr15	66774154	G	T	Heterozygous	7.8	21	SNP	Novel	64	---
ERBB2	chr17	37872389	C	T	Heterozygous	6.5	16	SNP	Novel	62	---
ERBB2	chr17	37872398	C	T	Heterozygous	8.8	26	SNP	Novel	68	---
ERBB2	chr17	37872416	A	G	Heterozygous	6.5	18	SNP	Novel	77	---
ERBB2	chr17	37872418	C	T	Heterozygous	5.3	13	SNP	Novel	76	---
ERBB2	chr17	37880321	C	G	Heterozygous	10	14	SNP	Novel	30	---
ERBB2	chr17	37880968	C	T	Heterozygous	4.9	21	SNP	Novel	267	---
ERBB2	chr17	37881049	C	T	Heterozygous	4.4	17	SNP	Novel	271	---
ERBB2	chr17	37881050	G	A	Heterozygous	4.1	14	SNP	Novel	269	---

ERBB2	chr17	37881327	G	A	Heterozygous	9.9	31	SNP	Novel	71	---
ERBB2	chr17	37881343	C	T	Heterozygous	5.6	14	SNP	Novel	71	---
ERBB2	chr17	37881627	C	T	Heterozygous	6.7	16	SNP	Novel	45	---
ERBB2	chr17	37882872	C	T	Heterozygous	4.5	16	SNP	Novel	220	---
ERBB2	chr17	37882890	C	T	Heterozygous	4.7	20	SNP	Novel	211	---
ERBB2	chr17	37882910	C	T	Heterozygous	7.2	42	SNP	Novel	221	---
ERBB2	chr17	37883201	C	T	Heterozygous	8.5	20	SNP	Novel	47	---
GNA11	chr19	3114981	C	T	Heterozygous	11.5	14	SNP	Novel	26	---
MAP2K2	chr19	4117578	C	T	Heterozygous	10	15	SNP	Novel	30	---
JAK3	chr19	17945946	G	A	Heterozygous	5.6	12	SNP	Novel	54	---
JAK3	chr19	17945947	C	T	Heterozygous	14.8	47	SNP	Novel	54	---
JAK3	chr19	17945991	C	T	Heterozygous	15.3	51	SNP	Novel	59	---
JAK3	chr19	17948768	C	T	Heterozygous	4.4	11	SNP	Novel	90	---
JAK3	chr19	17948826	C	T	Heterozygous	5.8	14	SNP	Novel	69	---
JAK3	chr19	17948869	C	T	Heterozygous	6.5	16	SNP	Novel	62	---
AR	chrX	66866183	G	A	Heterozygous	18.8	34	SNP	Novel	32	---
AR	chrX	66906893	G	A	Heterozygous	4.2	22	SNP	Novel	576	---
AR	chrX	66915200	C	T	Heterozygous	10.5	30	SNP	Novel	57	---
AR	chrX	66917702	C	T	Heterozygous	15	15	SNP	Novel	20	---
AR	chrX	66938960	G	A	Heterozygous	10.6	25	SNP	Novel	47	---
AR	chrX	66938996	G	A	Heterozygous	7.7	18	SNP	Novel	52	---
AR	chrX	66938998	C	G	Heterozygous	7.5	18	SNP	Novel	53	---