

# Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201072

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: 50 year(s) old

Pathological Diagnosis: Adenocarcinoma, Central, invasive to pleura

Tumor Size: N/A

Location: right upper 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)

C201072

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
MTOR	chr1	11188022	G	A	Heterozygous	4.2	12	SNP	Novel	165	---
MTOR	chr1	11188031	C	T	Heterozygous	10.3	63	SNP	Novel	165	---
MTOR	chr1	11217215	C	T	Heterozygous	12.2	132	SNP	Novel	270	---
MTOR	chr1	11217216	C	T	Heterozygous	8.9	73	SNP	Novel	270	---
MTOR	chr1	11217244	C	T	Heterozygous	11.8	128	SNP	Novel	280	---
MTOR	chr1	11217265	C	T	Heterozygous	3.9	13	SNP	Novel	280	---
JAK1	chr1	65311185	G	A	Heterozygous	10.3	185	SNP	Novel	542	---
JAK1	chr1	65311187	C	T	Heterozygous	4.8	32	SNP	Novel	542	---
JAK1	chr1	65311208	G	A	Heterozygous	8.8	139	SNP	Novel	566	---
JAK1	chr1	65311210	C	T	Heterozygous	4.8	32	SNP	Novel	565	---
JAK1	chr1	65311219	G	A	Heterozygous	6	58	SNP	Novel	565	---
NRAS	chr1	115258691	C	T	Heterozygous	11.8	103	SNP	Novel	221	---
NRAS	chr1	115258702	T	G	Heterozygous	8	51	SNP	Novel	224	---
ALK	chr2	29416572	T	C	Homozygous	100	393	SNP	Novel	28	---
ALK	chr2	29420401	G	A	Heterozygous	17.7	109	SNP	Novel	113	---
ALK	chr2	29420440	C	T	Heterozygous	15.8	92	SNP	Novel	114	---
ALK	chr2	29420464	C	T	Heterozygous	5.3	16	SNP	Novel	113	---
ALK	chr2	29432657	G	A	Heterozygous	6.2	66	SNP	Novel	598	---
ALK	chr2	29432690	G	A	Heterozygous	5.4	48	SNP	Novel	606	---
ALK	chr2	29432691	G	A	Heterozygous	14	369	SNP	Novel	606	---
ALK	chr2	29432700	C	T	Heterozygous	4.3	25	SNP	Novel	605	---
ALK	chr2	29432703	G	A	Heterozygous	7	88	SNP	Novel	603	---
ALK	chr2	29432718	A	G	Heterozygous	3.6	15	SNP	Novel	605	---
ALK	chr2	29445408	G	A	Heterozygous	18.9	164	SNP	Novel	148	---
ALK	chr2	29445458	G	T	Homozygous	100	2409	SNP	Novel	150	---
RAF1	chr3	12632373	G	A	Heterozygous	11.4	58	SNP	Novel	123	---
RAF1	chr3	12632424	C	T	Heterozygous	26.8	228	SNP	Novel	123	---
RAF1	chr3	12632431	C	T	Heterozygous	26.2	219	SNP	Novel	122	---
RAF1	chr3	12632440	C	T	Heterozygous	33.1	312	SNP	Novel	121	---
RAF1	chr3	12645668	G	A	Heterozygous	24.3	247	SNP	Novel	148	---
FGFR3	chr4	1797688	C	T	Heterozygous	3.4	12	SNP	Novel	556	---
FGFR3	chr4	1797698	C	T	Heterozygous	8.8	137	SNP	Novel	557	---
FGFR3	chr4	1797702	C	T	Heterozygous	4.5	27	SNP	Novel	557	---
FGFR3	chr4	1797710	C	T	Heterozygous	3.4	12	SNP	Novel	556	---
FGFR3	chr4	1797722	G	A	Heterozygous	7.7	100	SNP	Novel	549	---

FGFR3	chr4	1797743	G	A	Heterozygous	7.7	100	SNP	Novel	545	---
FGFR3	chr4	1801136	G	A	Heterozygous	20.1	191	SNP	Novel	164	---
FGFR3	chr4	1801210	C	T	Heterozygous	22	220	SNP	Novel	164	---
FGFR3	chr4	1803553	C	T	Heterozygous	3.8	23	SNP	Novel	788	---
FGFR3	chr4	1803584	C	T	Heterozygous	5.8	73	SNP	Novel	806	---
FGFR3	chr4	1803593	G	A	Heterozygous	4.9	44	SNP	Novel	804	---
FGFR3	chr4	1803608	C	T	Heterozygous	5.2	55	SNP	Novel	822	---
FGFR3	chr4	1803609	C	T	Heterozygous	3.8	20	SNP	Novel	822	---
FGFR3	chr4	1805788	C	T	Heterozygous	7.7	91	SNP	Novel	495	---
FGFR3	chr4	1805803	C	T	Heterozygous	5.2	36	SNP	Novel	500	---
FGFR3	chr4	1805811	C	T	Heterozygous	7.2	80	SNP	Novel	502	---
FGFR3	chr4	1805856	C	T	Heterozygous	5.2	37	SNP	Novel	499	---
FGFR3	chr4	1805859	C	T	Heterozygous	5	33	SNP	Novel	499	---
FGFR3	chr4	1806082	C	T	Heterozygous	4.6	25	SNP	Novel	433	---
FGFR3	chr4	1806115	C	T	Heterozygous	6.2	51	SNP	Novel	435	---
FGFR3	chr4	1806143	C	T	Heterozygous	3.5	11	SNP	Novel	432	---
FGFR3	chr4	1806181	C	T	Heterozygous	4.5	20	SNP	Novel	330	---
FGFR3	chr4	1806182	C	T	Heterozygous	5.8	35	SNP	Novel	330	---
FGFR3	chr4	1807841	G	A	Heterozygous	3.4	14	SNP	Novel	849	---
FGFR3	chr4	1807862	G	A	Heterozygous	5.4	60	SNP	Novel	859	---
FGFR3	chr4	1807877	G	A	Heterozygous	3.6	18	SNP	Novel	861	---
FGFR3	chr4	1807894	G	A	Homozygous	100	13691	SNP	Novel	861	---
FGFR3	chr4	1807920	G	A	Heterozygous	6.4	95	SNP	Novel	846	---
FGFR3	chr4	1807922	G	A	Heterozygous	51.1	4349	SNP	Novel	830	---
FGFR3	chr4	1807923	G	A	Heterozygous	6.4	94	SNP	Novel	830	---
FGFR3	chr4	1807924	G	A	Heterozygous	3.4	14	SNP	Novel	829	---
FGFR3	chr4	1808318	C	T	Heterozygous	5	66	SNP	Novel	1226	---
FGFR3	chr4	1808336	C	T	Heterozygous	4.5	48	SNP	Novel	1249	---
FGFR3	chr4	1808376	C	T	Heterozygous	3.2	14	SNP	Novel	1268	---
FGFR3	chr4	1808377	G	A	Heterozygous	3.5	19	SNP	Novel	1269	---
FGFR3	chr4	1808382	G	A	Heterozygous	3.6	23	SNP	Novel	1268	---
PDGFRA	chr4	55097788	A	G	Heterozygous	29.8	124	SNP	Novel	57	---
PDGFRA	chr4	55144104	C	T	Heterozygous	10.2	88	SNP	Novel	244	---
PDGFRA	chr4	55144159	C	T	Heterozygous	13.5	146	SNP	Novel	245	---
PDGFRA	chr4	55152040	C	T	Homozygous	100	705	SNP	Novel	45	---
PDGFRA	chr4	55152115	T	C	Heterozygous	30.4	114	SNP	Novel	46	---
KIT	chr4	55589773	G	A	Heterozygous	12.8	109	SNP	Novel	281	---
KIT	chr4	55593445	C	T	Homozygous	100	539	SNP	Novel	36	---

KIT	chr4	55593454	C	T	Homozygous	100	539	SNP	Novel	36	---
ROS1	chr6	117638366	G	A	Homozygous	100	465	SNP	Novel	32	---
ESR1	chr6	152419948	C	T	Homozygous	100	357	SNP	Novel	26	---
EGFR	chr7	55198957	G	A	Heterozygous	7.2	28	SNP	Novel	125	---
EGFR	chr7	55199030	C	T	Heterozygous	9.8	48	SNP	Novel	132	---
EGFR	chr7	55232967	G	A	Heterozygous	6.1	66	SNP	Novel	622	---
EGFR	chr7	55232974	G	A	Heterozygous	4.5	29	SNP	Novel	624	---
EGFR	chr7	55233043	G	A	Heterozygous	4.7	14	SNP	Novel	614	---
EGFR	chr7	55233047	C	G	Heterozygous	6.3	69	SNP	Novel	606	---
EGFR	chr7	55233050	G	A	Heterozygous	4	20	SNP	Novel	598	---
EGFR	chr7	55241726	C	T	Heterozygous	13.3	70	SNP	Novel	113	---
EGFR	chr7	55249015	C	T	Heterozygous	7.5	13	SNP	Novel	67	---
EGFR	chr7	55249063	G	A	Heterozygous	69.1	532	SNP	Novel	68	---
EGFR	chr7	55249072	G	A	Heterozygous	26.5	122	SNP	Novel	68	---
EGFR	chr7	55249099	G	A	Heterozygous	43.3	253	SNP	Novel	67	---
EGFR	chr7	55259496	A	G	Heterozygous	30.2	122	SNP	Novel	53	---
MET	chr7	116398801	C	T	Heterozygous	10.7	14	SNP	Novel	28	---
MET	chr7	116434551	G	A	Heterozygous	54.5	182	SNP	Novel	33	---
SMO	chr7	128845507	C	T	Heterozygous	97.1	472	SNP	Novel	34	---
SMO	chr7	128846342	G	A	Heterozygous	10.1	122	SNP	Novel	367	---
SMO	chr7	128846391	C	T	Heterozygous	6.7	54	SNP	Novel	371	---
SMO	chr7	128846411	G	A	Heterozygous	4.9	25	SNP	Novel	369	---
SMO	chr7	128846415	C	T	Heterozygous	6.2	45	SNP	Novel	368	---
SMO	chr7	128850312	G	A	Heterozygous	9.6	99	SNP	Novel	324	---
SMO	chr7	128850333	G	A	Heterozygous	16.1	255	SNP	Novel	323	---
BRAF	chr7	140434408	G	A	Heterozygous	26.6	263	SNP	Novel	139	---
BRAF	chr7	140482812	T	C	Heterozygous	36.4	55	SNP	Novel	22	---
BRAF	chr7	140500250	G	A	Heterozygous	8.4	103	SNP	Novel	453	---
BRAF	chr7	140501260	C	T	Heterozygous	8.6	54	SNP	Novel	197	---
BRAF	chr7	140507859	C	T	Heterozygous	4.7	13	SNP	Novel	127	---
RET	chr10	43609133	T	C	Heterozygous	5.1	14	SNP	Novel	99	---
RET	chr10	43613805	C	T	Heterozygous	11.8	98	SNP	Novel	203	---
RET	chr10	43613888	C	T	Heterozygous	11.9	99	SNP	Novel	202	---
FGFR2	chr10	123279687	G	A	Heterozygous	5.4	17	SNP	Novel	129	---
FGFR2	chr10	123279692	G	A	Heterozygous	7	27	SNP	Novel	129	---
FGFR2	chr10	123279697	G	A	Heterozygous	21.7	173	SNP	Novel	129	---
HRAS	chr11	533848	G	A	Heterozygous	5.7	17	SNP	Novel	106	---
HRAS	chr11	534248	C	T	Heterozygous	6.9	44	SNP	Novel	304	---

HRAS	chr11	534269	C	T	Heterozygous	12.4	155	SNP	Novel	306	---
HRAS	chr11	534283	C	T	Heterozygous	5.2	27	SNP	Novel	305	---
HRAS	chr11	534289	C	T	Heterozygous	12.8	119	SNP	Hotspot	304	COSM480
HRAS	chr11	534351	C	T	Heterozygous	18	203	SNP	Novel	205	---
ERBB3	chr12	56477694	A	T	Homozygous	100	358	SNP	Novel	26	---
ERBB3	chr12	56482599	G	A	Heterozygous	52.8	267	SNP	Novel	53	---
CDK4	chr12	58142964	C	T	Heterozygous	14.4	132	SNP	Novel	195	---
CDK4	chr12	58142965	C	T	Heterozygous	22.7	284	SNP	Novel	194	---
CDK4	chr12	58144665	C	T	Homozygous	100	429	SNP	Novel	30	---
CDK4	chr12	58145968	C	T	Heterozygous	3.8	21	SNP	Novel	900	---
CDK4	chr12	58146003	C	T	Heterozygous	3.6	18	SNP	Novel	890	---
CDK4	chr12	58146006	G	A	Heterozygous	4.2	30	SNP	Novel	888	---
AKT1	chr14	105246570	G	A	Homozygous	100	306	SNP	Novel	23	---
MAP2K1	chr15	66729171	G	A	Homozygous	100	341	SNP	Novel	25	---
ERBB2	chr17	37872455	C	T	Heterozygous	84.2	422	SNP	Novel	38	---
ERBB2	chr17	37879628	G	A	Heterozygous	4.8	51	SNP	Novel	1022	---
ERBB2	chr17	37879632	G	A	Heterozygous	4.4	39	SNP	Novel	1023	---
ERBB2	chr17	37879635	C	T	Heterozygous	4.1	32	SNP	Novel	1025	---
ERBB2	chr17	37879674	G	A	Heterozygous	4.8	52	SNP	Novel	1036	---
ERBB2	chr17	37879677	G	A	Heterozygous	3.9	25	SNP	Novel	1038	---
ERBB2	chr17	37879813	G	A	Heterozygous	5.8	57	SNP	Novel	599	---
ERBB2	chr17	37879850	G	A	Heterozygous	4.3	24	SNP	Novel	611	---
ERBB2	chr17	37879856	G	A	Heterozygous	4.9	36	SNP	Novel	617	---
ERBB2	chr17	37879860	G	A	Heterozygous	5.2	41	SNP	Novel	621	---
ERBB2	chr17	37880321	C	G	Heterozygous	92.7	547	SNP	Novel	41	---
ERBB2	chr17	37880959	C	T	Heterozygous	15.8	119	SNP	Novel	146	---
ERBB2	chr17	37881040	T	C	Heterozygous	4.7	14	SNP	Novel	148	---
ERBB2	chr17	37881349	C	T	Heterozygous	23.4	149	SNP	Novel	94	---
ERBB2	chr17	37882909	C	T	Heterozygous	17.7	152	SNP	Novel	158	---
ERBB2	chr17	37883194	C	T	Heterozygous	7.5	14	SNP	Novel	40	---
GNA11	chr19	3118940	C	T	Heterozygous	5.7	59	SNP	Novel	650	---
GNA11	chr19	3118946	G	A	Heterozygous	11.4	275	SNP	Novel	676	---
GNA11	chr19	3118961	G	A	Heterozygous	4.3	26	SNP	Novel	674	---
GNA11	chr19	3118968	C	T	Heterozygous	10	210	SNP	Novel	670	---
MAP2K2	chr19	4117540	C	T	Heterozygous	28.1	62	SNP	Novel	32	---
MAP2K2	chr19	4117579	G	A	Heterozygous	40.6	109	SNP	Novel	32	---
JAK3	chr19	17948818	C	T	Homozygous	100	520	SNP	Novel	35	---
JAK3	chr19	17949134	G	A	Heterozygous	10.5	84	SNP	Novel	210	---

JAK3	chr19	17949143	C	T	Heterozygous	4.3	14	SNP	Novel	210	---
AR	chrX	66799215	C	T	Heterozygous	34.2	206	SNP	Novel	76	---
AR	chrX	66799288	T	C	Heterozygous	7.9	23	SNP	Novel	76	---
AR	chrX	66915267	C	-	Heterozygous	3.6	386	DEL	Novel	28	---
AR	chrX	66915267	C	T	Heterozygous	96.4	386	SNP	Novel	28	---
AR	chrX	66943540	C	T	Heterozygous	10.3	113	SNP	Novel	319	---
AR	chrX	66943584	G	A	Heterozygous	5.6	32	SNP	Novel	321	---