

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201069

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, (part of Bronchioloalveolar carcinoma)

Tumor Size: N/A

Location: left 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
Gene ID	The Gene symbol for the gene located at this position
Chrom	The chromosome where the target region is located
Position	The genomic position of the variant in the build of the genome database
Ref	The reference allele of the variation
Variant	The alternate allele of the variation
Allele Call	The type of variation, either heterozygous or homozygous
Frequency	The percentage of reads for the sample that includes the variant
Quality	The quality score of the variant
Type	The variant type, which can be SNP, MNP, Ins, Del, and Complex
Allele Source	Listed as Hotspot for alleles found within the hotspots sequencing file and Novel for all other alleles
Coverage	The number of reads that cover the region
Allele Name	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	11174490	G	A	Heterozygous	62.5	144	SNP	Novel	24	---
MTOR	chr1	11217283	C	T	Heterozygous	12.2	84	SNP	Novel	115	---
MTOR	chr1	11217295	C	T	Heterozygous	5.1	15	SNP	Novel	118	---
JAK1	chr1	65310468	G	A	Heterozygous	25.7	62	SNP	Novel	35	---
JAK1	chr1	65310489	T	C	Heterozygous	75	336	SNP	Novel	32	---
JAK1	chr1	65310530	G	A	Heterozygous	10.5	19	SNP	Novel	38	---
JAK1	chr1	65311208	G	A	Heterozygous	3.4	18	SNP	Novel	1286	---
JAK1	chr1	65311227	G	A	Heterozygous	4.1	38	SNP	Novel	1280	---
ALK	chr2	29416572	T	C	Homozygous	100	306	SNP	Novel	23	---
ALK	chr2	29416620	G	A	Heterozygous	30.8	54	SNP	Novel	26	---
ALK	chr2	29420433	G	A	Heterozygous	8.2	22	SNP	Novel	61	---
ALK	chr2	29420443	G	A	Heterozygous	9.8	28	SNP	Novel	61	---
ALK	chr2	29432734	C	T	Heterozygous	9.6	130	SNP	Novel	450	---
ALK	chr2	29445212	G	A	Heterozygous	28.3	80	SNP	Novel	46	---
ALK	chr2	29445253	C	T	Heterozygous	17.6	57	SNP	Novel	51	---
ALK	chr2	29445308	G	A	Heterozygous	11.1	25	SNP	Novel	45	---
ALK	chr2	29445310	G	A	Heterozygous	8.9	19	SNP	Novel	45	---
ALK	chr2	29445382	C	T	Heterozygous	5.1	13	SNP	Novel	79	---
ALK	chr2	29445449	C	A	Heterozygous	11.8	42	SNP	Novel	76	---
ALK	chr2	29445458	G	T	Homozygous	100	1135	SNP	Novel	75	---
ALK	chr2	29445471	C	T	Heterozygous	5.3	13	SNP	Novel	75	---
ERBB4	chr2	212488730	G	A	Heterozygous	5.7	25	SNP	Novel	211	---
ERBB4	chr2	212488767	C	T	Heterozygous	5.1	19	SNP	Novel	196	---
RAF1	chr3	12632386	G	A	Heterozygous	13.6	43	SNP	Novel	59	---
RAF1	chr3	12632424	C	T	Heterozygous	11.3	31	SNP	Novel	53	---
RAF1	chr3	12645653	C	T	Heterozygous	3.9	19	SNP	Novel	673	---
RAF1	chr3	12645661	G	A	Heterozygous	3.3	11	SNP	Novel	676	---
PIK3CA	chr3	178928118	C	T	Heterozygous	14.7	73	SNP	Novel	95	---
PIK3CA	chr3	178928152	G	A	Heterozygous	8.3	27	SNP	Novel	84	---
PIK3CA	chr3	178952090	G	A	Heterozygous	7.5	12	SNP	Hotspot	40	COSM777
FGFR3	chr4	1797686	C	T	Heterozygous	3.7	18	SNP	Novel	757	---
FGFR3	chr4	1797701	C	T	Heterozygous	6.4	89	SNP	Novel	762	---
FGFR3	chr4	1797724	G	A	Heterozygous	3.5	14	SNP	Novel	748	---
FGFR3	chr4	1797749	C	T	Heterozygous	4.1	24	SNP	Novel	724	---
FGFR3	chr4	1803594	G	A	Heterozygous	6.3	47	SNP	Novel	381	---

FGFR3	chr4	1803608	CC	TT	Heterozygous	5.4	34	MNP	Novel	388	---
FGFR3	chr4	1803615	G	A	Heterozygous	4.1	17	SNP	Novel	390	---
FGFR3	chr4	1805822	C	T	Heterozygous	8.1	48	SNP	Novel	198	---
FGFR3	chr4	1805857	T	-	Heterozygous	5.2	20	DEL	Novel	191	---
FGFR3	chr4	1806143	C	T	Heterozygous	4.8	12	SNP	Novel	84	---
FGFR3	chr4	1806184	C	T	Heterozygous	6.2	15	SNP	Novel	64	---
FGFR3	chr4	1807894	G	A	Homozygous	100	4509	SNP	Novel	285	---
FGFR3	chr4	1807917	G	A	Heterozygous	5	23	SNP	Novel	281	---
FGFR3	chr4	1808313	G	A	Heterozygous	3.4	12	SNP	Novel	523	---
FGFR3	chr4	1808377	G	A	Heterozygous	4.3	23	SNP	Novel	540	---
PDGFRA	chr4	55133662	G	A	Heterozygous	19	19	SNP	Novel	21	---
PDGFRA	chr4	55144169	G	A	Heterozygous	7.1	47	SNP	Novel	266	---
PDGFRA	chr4	55144188	C	T	Heterozygous	5.7	29	SNP	Novel	261	---
PDGFRA	chr4	55152044	C	A	Heterozygous	10.8	20	SNP	Novel	37	---
KIT	chr4	55589806	G	A	Heterozygous	3.7	11	SNP	Novel	243	---
KIT	chr4	55592182	C	T	Heterozygous	4.1	12	SNP	Novel	171	---
ROS1	chr6	117638436	C	T	Heterozygous	7.3	14	SNP	Novel	41	---
ESR1	chr6	152419969	C	T	Heterozygous	12	14	SNP	Novel	25	---
EGFR	chr7	55211048	G	A	Heterozygous	4.2	15	SNP	Novel	263	---
EGFR	chr7	55211090	G	A	Heterozygous	5.3	25	SNP	Novel	263	---
EGFR	chr7	55219906	G	A	Heterozygous	10.5	25	SNP	Novel	38	---
EGFR	chr7	55219984	G	A	Heterozygous	7.3	14	SNP	Novel	41	---
EGFR	chr7	55233000	C	T	Heterozygous	5.7	39	SNP	Novel	407	---
EGFR	chr7	55241645	C	T	Heterozygous	4.2	16	SNP	Novel	310	---
EGFR	chr7	55241716	G	A	Heterozygous	4.8	22	SNP	Novel	314	---
MET	chr7	116339405	G	A	Heterozygous	12	14	SNP	Novel	25	---
MET	chr7	116340221	C	A	Heterozygous	7.9	33	SNP	Novel	126	---
MET	chr7	116423430	T	C	Heterozygous	5.7	36	SNP	Novel	350	---
MET	chr7	116423482	G	A	Heterozygous	4.2	18	SNP	Novel	383	---
MET	chr7	116434499	T	G	Heterozygous	14.8	20	SNP	Novel	27	---
SMO	chr7	128846342	G	A	Heterozygous	4.6	20	SNP	Novel	305	---
SMO	chr7	128846343	C	A	Heterozygous	3.6	11	SNP	Novel	306	---
SMO	chr7	128846349	G	A	Heterozygous	3.9	13	SNP	Novel	332	---
SMO	chr7	128846357	G	A	Heterozygous	4.8	23	SNP	Novel	333	---
SMO	chr7	128846362	C	T	Heterozygous	5.7	34	SNP	Novel	333	---
SMO	chr7	128846400	C	T	Heterozygous	4.1	15	SNP	Novel	316	---
SMO	chr7	128850272	G	A	Heterozygous	6.4	21	SNP	Novel	109	---
BRAF	chr7	140434402	G	A	Heterozygous	13.8	44	SNP	Novel	58	---

BRAF	chr7	140434477	C	T	Heterozygous	11.1	34	SNP	Novel	63	---
BRAF	chr7	140481376	C	T	Heterozygous	7.4	53	SNP	Novel	283	---
BRAF	chr7	140501257	C	T	Heterozygous	5.3	17	SNP	Novel	132	---
BRAF	chr7	140501312	G	A	Heterozygous	4.5	13	SNP	Novel	133	---
GNAQ	chr9	80412477	C	T	Heterozygous	4.4	14	SNP	Novel	182	---
GNAQ	chr9	80412481	G	A	Heterozygous	6	25	SNP	Novel	183	---
GNAQ	chr9	80412489	G	T	Heterozygous	7.1	35	SNP	Novel	183	---
GNAQ	chr9	80412529	G	A	Heterozygous	4.4	14	SNP	Novel	182	---
RET	chr10	43609090	G	A	Heterozygous	14.7	26	SNP	Novel	34	---
RET	chr10	43613843	G	T	Homozygous	100	3293	SNP	Novel	212	---
RET	chr10	43613870	C	T	Heterozygous	5.3	22	SNP	Novel	206	---
FGFR2	chr10	123247538	G	C	Heterozygous	4.9	15	SNP	Novel	142	---
FGFR2	chr10	123258008	C	T	Heterozygous	14.7	26	SNP	Novel	34	---
FGFR2	chr10	123279651	C	T	Heterozygous	6.6	16	SNP	Novel	61	---
FGFR2	chr10	123279666	G	C	Heterozygous	8.1	23	SNP	Novel	62	---
FGFR2	chr10	123279676	C	T	Heterozygous	6.2	15	SNP	Novel	65	---
KRAS	chr12	25380335	C	T	Heterozygous	4.8	14	SNP	Novel	126	---
KRAS	chr12	25398241	A	G	Heterozygous	5.2	12	SNP	Novel	58	---
ERBB3	chr12	56477672	C	A	Heterozygous	13.8	44	SNP	Novel	58	---
ERBB3	chr12	56477694	A	T	Homozygous	100	770	SNP	Novel	54	---
ERBB3	chr12	56478833	C	T	Heterozygous	11.7	57	SNP	Novel	111	---
ERBB3	chr12	56478861	G	A	Heterozygous	5	15	SNP	Novel	120	---
ERBB3	chr12	56478869	C	T	Heterozygous	6.1	20	SNP	Novel	115	---
ERBB3	chr12	56478886	G	A	Heterozygous	6.3	21	SNP	Novel	111	---
ERBB3	chr12	56482321	C	T	Heterozygous	8.4	72	SNP	Novel	311	---
CDK4	chr12	58142896	C	A	Heterozygous	6.1	31	SNP	Novel	229	---
CDK4	chr12	58142920	C	T	Heterozygous	6.9	42	SNP	Novel	245	---
CDK4	chr12	58143259	C	T	Heterozygous	4.1	10	SNP	Novel	122	---
CDK4	chr12	58143287	C	T	Heterozygous	5.1	15	SNP	Novel	118	---
CDK4	chr12	58143302	G	T	Heterozygous	4.3	11	SNP	Novel	116	---
CDK4	chr12	58143318	C	T	Heterozygous	4.8	13	SNP	Novel	105	---
CDK4	chr12	58144890	G	A	Heterozygous	9.2	32	SNP	Novel	87	---
CDK4	chr12	58144933	G	A	Heterozygous	15.1	67	SNP	Novel	86	---
CDK4	chr12	58145364	C	T	Heterozygous	20.8	28	SNP	Novel	24	---
CDK4	chr12	58145712	G	A	Heterozygous	15	15	SNP	Novel	20	---
CDK4	chr12	58145950	G	A	Heterozygous	3.9	15	SNP	Novel	355	---
MAP2K1	chr15	66727450	C	A	Heterozygous	7.6	19	SNP	Novel	79	---
MAP2K1	chr15	66727485	C	A	Heterozygous	16.2	70	SNP	Novel	80	---

MAP2K1	chr15	66727501	G	A	Heterozygous	11.2	40	SNP	Novel	80	---
MAP2K1	chr15	66727513	G	A	Heterozygous	6.5	18	SNP	Novel	77	---
MAP2K1	chr15	66774105	C	T	Heterozygous	22.2	51	SNP	Novel	36	---
MAP2K1	chr15	66774136	C	T	Heterozygous	17.6	35	SNP	Novel	34	---
MAP2K1	chr15	66774152	G	A	Heterozygous	14.7	26	SNP	Novel	34	---
ERBB2	chr17	37872465	C	T	Heterozygous	25	28	SNP	Novel	20	---
ERBB2	chr17	37879614	G	A	Heterozygous	4.2	32	SNP	Novel	1011	---
ERBB2	chr17	37879825	C	T	Heterozygous	4.4	21	SNP	Novel	408	---
ERBB2	chr17	37880955	C	T	Heterozygous	4.5	11	SNP	Novel	89	---
ERBB2	chr17	37880960	A	C	Heterozygous	5.2	14	SNP	Novel	96	---
ERBB2	chr17	37881404	C	T	Heterozygous	16.7	27	SNP	Novel	30	---
ERBB2	chr17	37881434	G	A	Heterozygous	30.4	45	SNP	Novel	23	---
ERBB2	chr17	37882910	C	T	Heterozygous	8.3	32	SNP	Novel	108	---
GNA11	chr19	3118899	G	A	Heterozygous	3.8	10	SNP	Novel	182	---
GNA11	chr19	3118906	C	T	Heterozygous	4.9	17	SNP	Novel	183	---
GNA11	chr19	3118940	C	T	Heterozygous	4.4	15	SNP	Novel	158	---
GNA11	chr19	3118946	G	A	Heterozygous	4.7	15	SNP	Novel	169	---
JAK3	chr19	17949165	G	A	Heterozygous	4.5	41	SNP	Novel	976	---
AR	chrX	66915283	C	T	Heterozygous	10.3	14	SNP	Novel	29	---
AR	chrX	66938959	G	T	Heterozygous	12	32	SNP	Novel	50	---