

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201143

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: 39 year(s) old
Female: _____ year(s) old

Pathological Diagnosis: squamous cell carcinoma

Tumor Size: 9 x 5 x 4 cm

Location: lung, left

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)

C201143

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
MTOR	chr1	11184623	C	A	Heterozygous	5	17	SNP	Novel	181	---
MTOR	chr1	11184637	G	A	Heterozygous	5	17	SNP	Novel	181	---
MTOR	chr1	11189815	G	A	Heterozygous	4.9	15	SNP	Novel	144	---
MTOR	chr1	11190823	C	T	Heterozygous	8.2	48	SNP	Novel	195	---
MTOR	chr1	11190824	G	A	Heterozygous	4.1	12	SNP	Novel	194	---
JAK1	chr1	65310489	T	C	Heterozygous	47.7	1866	SNP	Novel	394	---
JAK1	chr1	65310490	G	A	Heterozygous	5.3	33	SNP	Novel	394	---
JAK1	chr1	65312344	G	A	Heterozygous	3.9	16	SNP	Novel	435	---
NRAS	chr1	115252196	G	A	Heterozygous	6.4	28	SNP	Novel	172	---
NRAS	chr1	115252275	G	A	Heterozygous	6.3	27	SNP	Novel	174	---
NRAS	chr1	115256542	C	T	Heterozygous	4.3	41	SNP	Novel	1239	---
NRAS	chr1	115258757	C	T	Heterozygous	3.1	10	SNP	Novel	998	---
DDR2	chr1	162724548	C	A	Heterozygous	4.5	13	SNP	Novel	157	---
ALK	chr2	29416092	A	G	Heterozygous	7.9	14	SNP	Novel	38	---
ALK	chr2	29416132	G	A	Heterozygous	12.8	26	SNP	Novel	39	---
ALK	chr2	29416160	G	T	Heterozygous	7.7	14	SNP	Novel	39	---
ALK	chr2	29416350	G	A	Heterozygous	4.5	16	SNP	Novel	222	---
ALK	chr2	29416366	G	C	Heterozygous	48	1032	SNP	Novel	221	---
ALK	chr2	29416544	G	A	Heterozygous	4	13	SNP	Novel	277	---
ALK	chr2	29416572	T	C	Homozygous	100	4690	SNP	Novel	294	---
ALK	chr2	29445458	G	T	Heterozygous	79.1	4193	SNP	Novel	398	---
RAF1	chr3	12632401	C	T	Heterozygous	3.3	13	SNP	Novel	807	---
PIK3CA	chr3	178916744	C	T	Heterozygous	16.7	27	SNP	Novel	30	---
PIK3CA	chr3	178916783	C	T	Heterozygous	16.7	27	SNP	Novel	30	---
PIK3CA	chr3	178922274	C	A	Heterozygous	15.1	47	SNP	Novel	53	---
PIK3CA	chr3	178922360	C	T	Heterozygous	5.8	13	SNP	Novel	52	---
PIK3CA	chr3	178938948	G	A	Heterozygous	6.8	37	SNP	Novel	219	---
FGFR3	chr4	1797255	G	A	Heterozygous	5.1	25	SNP	Novel	292	---
FGFR3	chr4	1797741	T	C	Heterozygous	18.3	1423	SNP	Novel	1467	---
FGFR3	chr4	1801192	C	T	Heterozygous	4.3	15	SNP	Novel	230	---
FGFR3	chr4	1805820	C	T	Heterozygous	4.9	47	SNP	Novel	885	---
FGFR3	chr4	1806186	C	T	Heterozygous	3.9	12	SNP	Novel	285	---
FGFR3	chr4	1807894	G	A	Homozygous	100	14392	SNP	Novel	898	---
FGFR3	chr4	1807912	C	T	Heterozygous	3.4	14	SNP	Novel	890	---
FGFR3	chr4	1809267	C	T	Heterozygous	7.2	29	SNP	Novel	139	---

FGFR3	chr4	1809300	C	T	Heterozygous	5	16	SNP	Novel	161	---
FGFR3	chr4	1809321	G	A	Heterozygous	4.3	12	SNP	Novel	163	---
FGFR3	chr4	1809322	G	A	Heterozygous	8.6	46	SNP	Novel	163	---
PDGFRA	chr4	55097812	C	T	Heterozygous	4	12	SNP	Novel	223	---
PDGFRA	chr4	55097835	G	C	Heterozygous	76.3	2113	SNP	Novel	219	---
PDGFRA	chr4	55141055	AG	GA	Heterozygous	3.4	3112	MNP	Novel	205	---
PDGFRA	chr4	55141055	A	G	Heterozygous	96.6	3112	SNP	Novel	205	---
PDGFRA	chr4	55141083	C	T	Heterozygous	4.3	14	SNP	Novel	207	---
PDGFRA	chr4	55152040	C	T	Heterozygous	4.3	23	SNP	Novel	536	---
PDGFRA	chr4	55152112	C	T	Heterozygous	3.3	10	SNP	Novel	543	---
KIT	chr4	55593464	A	C	Heterozygous	31.1	2211	SNP	Novel	930	---
KIT	chr4	55598903	A	T	Heterozygous	6.1	17	SNP	Novel	82	---
ROS1	chr6	117641146	C	T	Heterozygous	3.8	12	SNP	Novel	316	---
ESR1	chr6	152419912	G	A	Heterozygous	4.5	16	SNP	Novel	222	---
ESR1	chr6	152419977	G	A	Heterozygous	4.3	15	SNP	Novel	233	---
ESR1	chr6	152419985	G	A	Heterozygous	4.8	20	SNP	Novel	228	---
EGFR	chr7	55249063	G	A	Heterozygous	83.9	987	SNP	Novel	87	---
MET	chr7	116415155	C	T	Heterozygous	3.3	10	SNP	Novel	483	---
MET	chr7	116417499	C	T	Heterozygous	7.1	19	SNP	Novel	70	---
MET	chr7	116417531	G	T	Heterozygous	17.4	67	SNP	Novel	69	---
SMO	chr7	128849122	C	T	Heterozygous	4.9	23	SNP	Novel	305	---
SMO	chr7	128849129	G	A	Heterozygous	3.6	11	SNP	Novel	308	---
BRAF	chr7	140434489	C	T	Heterozygous	3.5	14	SNP	Novel	625	---
BRAF	chr7	140481381	C	T	Heterozygous	3.2	13	SNP	Novel	1289	---
BRAF	chr7	140482808	C	T	Heterozygous	4.5	14	SNP	Novel	178	---
BRAF	chr7	140482814	C	T	Heterozygous	4.5	14	SNP	Novel	178	---
RET	chr10	43609155	C	T	Heterozygous	4.1	16	SNP	Novel	366	---
RET	chr10	43609955	C	T	Heterozygous	4.1	14	SNP	Novel	270	---
RET	chr10	43613843	G	T	Heterozygous	28.4	1931	SNP	Novel	936	---
RET	chr10	43615664	G	A	Heterozygous	4.5	13	SNP	Novel	134	---
RET	chr10	43617337	C	T	Heterozygous	4	13	SNP	Novel	251	---
FGFR2	chr10	123274729	G	A	Heterozygous	5.5	37	SNP	Novel	418	---
FGFR2	chr10	123276909	G	A	Heterozygous	5.8	22	SNP	Novel	154	---
FGFR2	chr10	123312166	C	T	Heterozygous	4.8	18	SNP	Novel	207	---
HRAS	chr11	533849	G	A	Heterozygous	5.3	13	SNP	Novel	75	---
HRAS	chr11	534318	G	A	Heterozygous	3.7	14	SNP	Novel	520	---
HRAS	chr11	534332	G	A	Heterozygous	41.2	1893	SNP	Novel	515	---
HRAS	chr11	534343	C	T	Heterozygous	5.4	42	SNP	Novel	514	---

KRAS	chr12	25378605	C	T	Heterozygous	13.1	63	SNP	Novel	99	---
KRAS	chr12	25386063	C	A	Homozygous	100	293	SNP	Novel	22	---
KRAS	chr12	25386940	C	T	Heterozygous	42.3	87	SNP	Novel	26	---
KRAS	chr12	25389182	A	G	Heterozygous	30.7	521	SNP	Novel	225	---
KRAS	chr12	25400206	G	T	Heterozygous	37	788	SNP	Novel	254	---
ERBB3	chr12	56477694	A	T	Heterozygous	25.6	753	SNP	Novel	434	---
ERBB3	chr12	56481600	C	T	Heterozygous	4	15	SNP	Novel	349	---
ERBB3	chr12	56482575	C	T	Heterozygous	3.4	11	SNP	Novel	507	---
ERBB3	chr12	56482652	G	A	Heterozygous	3.8	15	SNP	Novel	504	---
CDK4	chr12	58142271	G	A	Heterozygous	4.3	19	SNP	Novel	376	---
CDK4	chr12	58142919	C	T	Heterozygous	3.8	27	SNP	Novel	1218	---
CDK4	chr12	58144418	C	T	Heterozygous	4.9	26	SNP	Novel	368	---
CDK4	chr12	58144574	G	A	Heterozygous	4.7	13	SNP	Novel	129	---
CDK4	chr12	58144665	C	T	Heterozygous	33.8	363	SNP	Novel	133	---
CDK4	chr12	58145361	C	T	Heterozygous	3.6	11	SNP	Novel	274	---
CDK4	chr12	58145411	G	A	Heterozygous	4.3	15	SNP	Novel	304	---
CDK4	chr12	58145434	C	T	Heterozygous	10.7	115	SNP	Novel	298	---
CDK4	chr12	58145737	C	T	Heterozygous	4.6	17	SNP	Novel	239	---
CDK4	chr12	58145750	C	T	Heterozygous	4.5	16	SNP	Novel	247	---
CDK4	chr12	58145751	G	A	Heterozygous	3.6	10	SNP	Novel	248	---
CDK4	chr12	58145758	G	A	Heterozygous	4.2	15	SNP	Novel	261	---
AKT1	chr14	105246538	G	A	Heterozygous	6.1	41	SNP	Novel	342	---
MAP2K1	chr15	66729198	G	A	Heterozygous	4.1	19	SNP	Novel	492	---
IDH2	chr15	90631909	G	A	Heterozygous	4.2	11	SNP	Novel	119	---
ERBB2	chr17	37868176	C	T	Heterozygous	4.7	17	SNP	Novel	213	---
ERBB2	chr17	37881049	C	T	Heterozygous	3.7	19	SNP	Novel	780	---
ERBB2	chr17	37881358	C	T	Heterozygous	3.4	11	SNP	Novel	437	---
ERBB2	chr17	37881395	G	A	Heterozygous	3.4	11	SNP	Novel	437	---
ERBB2	chr17	37881401	G	A	Heterozygous	5.2	34	SNP	Novel	439	---
ERBB2	chr17	37881453	G	A	Heterozygous	7.2	67	SNP	Novel	404	---
ERBB2	chr17	37881546	C	T	Heterozygous	4.6	22	SNP	Novel	395	---
ERBB2	chr17	37882850	C	T	Heterozygous	3.5	13	SNP	Novel	542	---
ERBB2	chr17	37883215	G	A	Heterozygous	4.3	18	SNP	Novel	345	---
GNA11	chr19	3114990	C	T	Heterozygous	6.8	43	SNP	Novel	264	---
GNA11	chr19	3115076	G	A	Heterozygous	3.6	10	SNP	Novel	280	---
GNA11	chr19	3118890	G	A	Heterozygous	3.5	15	SNP	Novel	839	---
JAK3	chr19	17945911	G	A	Heterozygous	6.1	29	SNP	Novel	214	---
JAK3	chr19	17946008	G	A	Heterozygous	8.9	63	SNP	Novel	224	---

JAK3	chr19	17946012	G	A	Heterozygous	5.4	23	SNP	Novel	223	---
JAK3	chr19	17948774	C	T	Heterozygous	5.6	28	SNP	Novel	269	---
JAK3	chr19	17948812	C	T	Heterozygous	8.8	70	SNP	Novel	262	---
JAK3	chr19	17948858	G	A	Heterozygous	4	13	SNP	Novel	248	---
AR	chrX	66776193	G	A	Heterozygous	5.3	28	SNP	Novel	321	---
AR	chrX	66866126	G	A	Heterozygous	4.3	13	SNP	Novel	161	---
AR	chrX	66915202	T	C	Heterozygous	3.8	11	SNP	Novel	264	---
AR	chrX	66941733	C	T	Heterozygous	4.5	16	SNP	Novel	245	---
AR	chrX	66941762	C	T	Heterozygous	4.5	20	SNP	Novel	268	---