

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201103

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: 48 year(s) old

Pathological Diagnosis: Adenocarcinoma, central type

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
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	11188261	A	G	Heterozygous	12.5	15	SNP	Novel	24	---
JAK1	chr1	65311193	C	T	Heterozygous	17.6	200	SNP	Novel	216	---
JAK1	chr1	65312387	C	T	Heterozygous	97.9	715	SNP	Novel	47	---
ALK	chr2	29445255	G	A	Heterozygous	65.4	172	SNP	Novel	26	---
ALK	chr2	29445458	G	T	Homozygous	100	557	SNP	Novel	37	---
ALK	chr2	29497958	C	T	Heterozygous	76.9	224	SNP	Novel	26	---
ERBB4	chr2	212488726	G	A	Heterozygous	24.2	247	SNP	Novel	157	---
ERBB4	chr2	212488745	C	T	Heterozygous	8.3	42	SNP	Novel	156	---
ERBB4	chr2	212488750	G	A	Heterozygous	25.8	271	SNP	Novel	155	---
ERBB4	chr2	212488782	A	G	Heterozygous	9	48	SNP	Novel	156	---
ERBB4	chr2	212488784	G	A	Heterozygous	20.5	181	SNP	Novel	156	---
RAF1	chr3	12632442	T	C	Heterozygous	5.9	21	SNP	Novel	135	---
PIK3CA	chr3	178947833	G	A	Heterozygous	10.6	98	SNP	Novel	255	---
PIK3CA	chr3	178947844	G	A	Heterozygous	12.1	125	SNP	Novel	257	---
PIK3CA	chr3	178947894	G	A	Heterozygous	11.5	109	SNP	Novel	253	---
FGFR3	chr4	1797687	C	T	Heterozygous	10.5	90	SNP	Novel	238	---
FGFR3	chr4	1797741	T	C	Heterozygous	75.5	2295	SNP	Novel	237	---
FGFR3	chr4	1797748	C	T	Heterozygous	8.5	60	SNP	Novel	235	---
FGFR3	chr4	1803605	C	T	Heterozygous	15.3	168	SNP	Novel	229	---
FGFR3	chr4	1803628	G	A	Heterozygous	4.3	15	SNP	Novel	232	---
FGFR3	chr4	1803638	G	T	Heterozygous	7.8	50	SNP	Novel	230	---
FGFR3	chr4	1807894	G	A	Homozygous	100	1240	SNP	Novel	81	---
FGFR3	chr4	1808313	G	T	Heterozygous	4.3	13	SNP	Novel	185	---
PDGFRA	chr4	55097835	G	C	Homozygous	100	256	SNP	Novel	20	---
PDGFRA	chr4	55144173	G	A	Homozygous	100	465	SNP	Novel	32	---
KIT	chr4	55589763	C	T	Heterozygous	12.4	119	SNP	Novel	234	---
KIT	chr4	55593475	C	T	Heterozygous	26.6	198	SNP	Novel	109	---
EGFR	chr7	55199027	C	T	Heterozygous	6	28	SNP	Novel	217	---
EGFR	chr7	55233034	G	A	Heterozygous	31.6	335	SNP	Novel	136	---
MET	chr7	116423439	C	T	Heterozygous	21.1	171	SNP	Novel	133	---
SMO	chr7	128850271	C	T	Heterozygous	42.6	376	SNP	Novel	94	---
SMO	chr7	128850279	C	T	Heterozygous	4.3	10	SNP	Novel	94	---
BRAF	chr7	140434400	G	A	Heterozygous	62.3	341	SNP	Novel	53	---
BRAF	chr7	140453139	G	A	Heterozygous	17.9	27	SNP	Novel	28	---
BRAF	chr7	140501253	A	G	Heterozygous	6.4	21	SNP	Novel	109	---

BRAF	chr7	140501284	G	A	Heterozygous	15.6	88	SNP	Novel	109	---
RET	chr10	43613865	A	T	Heterozygous	8.5	33	SNP	Novel	106	---
FGFR2	chr10	123247514	C	T	Heterozygous	18	108	SNP	Novel	133	---
FGFR2	chr10	123258004	C	T	Heterozygous	48.5	296	SNP	Novel	66	---
FGFR2	chr10	123312194	A	G	Heterozygous	24	36	SNP	Novel	25	---
FGFR2	chr10	123354408	T	C	Heterozygous	4.3	12	SNP	Novel	47	---
FGFR2	chr10	123354412	A	G	Heterozygous	6.2	13	SNP	Novel	48	---
HRAS	chr11	534269	C	T	Heterozygous	8.9	116	SNP	Novel	448	---
HRAS	chr11	534301	C	T	Heterozygous	8.8	68	SNP	Novel	250	---
KRAS	chr12	25387227	G	A	Homozygous	100	411	SNP	Novel	29	---
KRAS	chr12	25391221	T	C	Heterozygous	21.9	43	SNP	Novel	32	---
KRAS	chr12	25391239	G	C	Heterozygous	29	63	SNP	Novel	31	---
KRAS	chr12	25398285	C	A	Heterozygous	88.9	177	SNP	Hotspot	18	COSM516
ERBB3	chr12	56478808	C	T	Heterozygous	46.4	291	SNP	Novel	69	---
ERBB3	chr12	56478836	C	T	Heterozygous	51.4	372	SNP	Novel	74	---
CDK4	chr12	58142934	C	T	Heterozygous	5.2	20	SNP	Novel	232	---
CDK4	chr12	58142968	C	T	Heterozygous	9.4	72	SNP	Novel	234	---
CDK4	chr12	58144902	C	T	Heterozygous	47.1	399	SNP	Novel	87	---
CDK4	chr12	58145970	C	T	Heterozygous	6	55	SNP	Novel	513	---
CDK4	chr12	58146023	C	T	Heterozygous	5.3	38	SNP	Novel	490	---
MAP2K1	chr15	66774091	A	G	Heterozygous	36.8	118	SNP	Novel	38	---
MAP2K1	chr15	66774094	T	C	Heterozygous	15.8	34	SNP	Novel	38	---
ERBB2	chr17	37879627	G	A	Heterozygous	10.8	139	SNP	Novel	360	---
ERBB2	chr17	37879877	G	A	Heterozygous	10.7	136	SNP	Novel	366	---
ERBB2	chr17	37880319	G	A	Heterozygous	54.4	441	SNP	Novel	79	---
ERBB2	chr17	37880321	C	G	Heterozygous	24	166	SNP	Novel	104	---
ERBB2	chr17	37881526	G	A	Heterozygous	14.3	20	SNP	Novel	28	---
ERBB2	chr17	37881529	G	A	Heterozygous	41.4	98	SNP	Novel	29	---
GNA11	chr19	3118910	G	A	Heterozygous	11.5	136	SNP	Novel	314	---
GNA11	chr19	3118926	G	A	Heterozygous	11.5	137	SNP	Novel	312	---
MAP2K2	chr19	4117613	T	C	Heterozygous	6.2	13	SNP	Novel	48	---
JAK3	chr19	17948866	T	C	Heterozygous	40.5	131	SNP	Novel	37	---
JAK3	chr19	17949158	G	A	Heterozygous	14.2	101	SNP	Novel	148	---
AR	chrX	66799284	G	A	Heterozygous	10.3	14	SNP	Novel	29	---
AR	chrX	66874600	C	T	Homozygous	100	273	SNP	Novel	21	---
AR	chrX	66938985	C	T	Heterozygous	13.3	93	SNP	Novel	150	---
AR	chrX	66938988	C	T	Heterozygous	30	351	SNP	Novel	150	---
AR	chrX	66939032	G	A	Heterozygous	6.4	24	SNP	Novel	140	---

AR	chrX	66943525	C	T	Heterozygous	8.6	14	SNP	Novel	35	---
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