

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201048

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: 46 year(s) old

Pathological Diagnosis: Adenocarcinoma, Entity

Tumor Size: diameter 5 cm

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	11188277	G	A	Heterozygous	3.4	11	SNP	Novel	500	---
NRAS	chr1	115252226	C	T	Heterozygous	4	26	SNP	Novel	843	---
DDR2	chr1	162724541	C	T	Heterozygous	5.8	36	SNP	Novel	309	---
DDR2	chr1	162724556	C	T	Heterozygous	3.9	13	SNP	Novel	308	---
DDR2	chr1	162724604	G	A	Heterozygous	4.3	17	SNP	Novel	302	---
ALK	chr2	29416168	G	A	Heterozygous	4.4	17	SNP	Novel	272	---
ALK	chr2	29416368	C	T	Heterozygous	3.6	18	SNP	Novel	979	---
ALK	chr2	29416572	T	C	Homozygous	100	21918	SNP	Novel	1374	---
ALK	chr2	29436932	G	A	Heterozygous	3.2	13	SNP	Novel	1109	---
ALK	chr2	29443583	G	A	Heterozygous	3.2	12	SNP	Novel	1102	---
PIK3CA	chr3	178916698	G	A	Heterozygous	3.6	10	SNP	Novel	249	---
PIK3CA	chr3	178922274	C	A	Heterozygous	5.6	25	SNP	Novel	234	---
PIK3CA	chr3	178927916	G	A	Heterozygous	5.1	46	SNP	Novel	681	---
PIK3CA	chr3	178938909	C	T	Heterozygous	3.7	14	SNP	Novel	516	---
FGFR3	chr4	1797273	G	A	Heterozygous	4	19	SNP	Novel	479	---
FGFR3	chr4	1807894	G	A	Homozygous	100	63898	SNP	Novel	3994	---
PDGFRA	chr4	55097723	C	T	Heterozygous	3.2	11	SNP	Novel	845	---
PDGFRA	chr4	55104321	C	T	Heterozygous	3.3	12	SNP	Novel	760	---
PDGFRA	chr4	55121615	C	T	Heterozygous	3.3	11	SNP	Novel	508	---
PDGFRA	chr4	55121625	C	T	Heterozygous	3.4	11	SNP	Novel	506	---
PDGFRA	chr4	55123734	G	A	Heterozygous	4.1	18	SNP	Novel	468	---
PDGFRA	chr4	55123751	G	A	Heterozygous	3.6	13	SNP	Novel	470	---
PDGFRA	chr4	55141035	G	A	Heterozygous	5.1	32	SNP	Novel	430	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	6686	SNP	Novel	423	---
PDGFRA	chr4	55141089	C	T	Heterozygous	4.8	26	SNP	Novel	418	---
KIT	chr4	55529200	-	A	Heterozygous	63.3	1333	INS	Novel	188	---
KIT	chr4	55566266	G	A	Heterozygous	45.2	860	SNP	Novel	197	---
KIT	chr4	55593481	A	G	Heterozygous	53.1	15056	SNP	Novel	2697	---
KIT	chr4	55598912	G	A	Heterozygous	4.3	15	SNP	Novel	258	---
KIT	chr4	55599261	G	A	Heterozygous	4.3	8	SNP	Hotspot	423	COSM1600411
ROS1	chr6	117638425	G	A	Heterozygous	3.5	17	SNP	Novel	910	---
EGFR	chr7	55242416	G	A	Heterozygous	4	18	SNP	Novel	506	---
EGFR	chr7	55249063	G	A	Heterozygous	50.5	5899	SNP	Novel	1143	---
EGFR	chr7	55259469	G	A	Heterozygous	3.5	23	SNP	Novel	1736	---
MET	chr7	116412025	C	T	Heterozygous	3.6	11	SNP	Novel	363	---

MET	chr7	116434500	G	A	Heterozygous	3.4	11	SNP	Novel	532	---
JAK2	chr9	5073730	G	A	Heterozygous	4.3	17	SNP	Novel	326	---
JAK2	chr9	5073799	C	T	Heterozygous	39.1	1153	SNP	Novel	335	---
JAK2	chr9	5073813	C	T	Heterozygous	3.6	12	SNP	Novel	331	---
JAK2	chr9	5073820	C	T	Heterozygous	4.8	23	SNP	Novel	330	---
GNAQ	chr9	80409381	C	T	Heterozygous	3.7	15	SNP	Novel	542	---
GNAQ	chr9	80409394	C	T	Heterozygous	4	19	SNP	Novel	548	---
GNAQ	chr9	80409485	C	T	Heterozygous	3.4	12	SNP	Novel	528	---
GNAQ	chr9	80409495	C	T	Heterozygous	3.4	12	SNP	Novel	524	---
RET	chr10	43615627	G	A	Heterozygous	3.3	12	SNP	Novel	730	---
RET	chr10	43615654	G	A	Heterozygous	3.7	17	SNP	Novel	729	---
RET	chr10	43617341	C	T	Heterozygous	3.4	11	SNP	Novel	407	---
RET	chr10	43617346	C	T	Heterozygous	3.4	10	SNP	Novel	411	---
RET	chr10	43617379	C	T	Heterozygous	3.9	15	SNP	Novel	407	---
FGFR2	chr10	123247571	C	T	Heterozygous	3.6	32	SNP	Novel	2078	---
FGFR2	chr10	123312202	C	T	Heterozygous	3.4	10	SNP	Novel	378	---
KRAS	chr12	25378552	C	T	Heterozygous	3.9	14	SNP	Novel	382	---
KRAS	chr12	25378571	C	T	Heterozygous	5.5	36	SNP	Novel	384	---
KRAS	chr12	25378598	C	T	Heterozygous	4.4	20	SNP	Novel	384	---
KRAS	chr12	25378655	C	T	Heterozygous	3.4	10	SNP	Novel	378	---
KRAS	chr12	25386063	C	A	Heterozygous	98.2	789	SNP	Novel	57	---
KRAS	chr12	25387227	G	A	Heterozygous	4.1	18	SNP	Novel	410	---
KRAS	chr12	25389192	G	A	Heterozygous	4.1	23	SNP	Novel	655	---
KRAS	chr12	25398241	A	G	Heterozygous	4.8	33	SNP	Novel	609	---
KRAS	chr12	25398262	C	T	Heterozygous	3.8	17	SNP	Novel	607	---
KRAS	chr12	25398269	C	T	Heterozygous	5.6	52	SNP	Novel	605	---
KRAS	chr12	25400206	G	T	Heterozygous	5.1	24	SNP	Novel	272	---
ERBB3	chr12	56477602	C	T	Heterozygous	3.1	11	SNP	Novel	1168	---
ERBB3	chr12	56477694	A	T	Homozygous	100	18429	SNP	Novel	1157	---
CDK4	chr12	58142086	G	A	Heterozygous	3.6	12	SNP	Novel	384	---
CDK4	chr12	58144480	C	T	Heterozygous	3.7	16	SNP	Novel	642	---
CDK4	chr12	58144655	C	T	Heterozygous	4.1	25	SNP	Novel	731	---
CDK4	chr12	58144665	C	T	Heterozygous	45.8	3211	SNP	Novel	730	---
CDK4	chr12	58145365	C	T	Heterozygous	3.7	19	SNP	Novel	899	---
AKT1	chr14	105246490	C	T	Heterozygous	4.6	26	SNP	Novel	479	---
AKT1	chr14	105246503	C	T	Heterozygous	4.2	21	SNP	Novel	527	---
AKT1	chr14	105246567	G	A	Heterozygous	3.6	14	SNP	Novel	619	---
IDH2	chr15	90631919	C	T	Heterozygous	4.5	40	SNP	Novel	734	---

ERBB2	chr17	37880321	C	G	Heterozygous	4.4	35	SNP	Novel	861	---
ERBB2	chr17	37881365	G	A	Heterozygous	3.6	22	SNP	Novel	1287	---
MAP2K2	chr19	4117530	C	T	Heterozygous	3.2	13	SNP	Novel	1144	---
JAK3	chr19	17948788	C	T	Heterozygous	4.2	35	SNP	Novel	1060	---
AR	chrX	66866194	G	A	Heterozygous	3.4	16	SNP	Novel	1029	---
AR	chrX	66915275	C	T	Heterozygous	5.6	50	SNP	Novel	589	---
AR	chrX	66941766	G	A	Heterozygous	3.6	16	SNP	Novel	687	---
AR	chrX	66945170	G	A	Heterozygous	3.5	13	SNP	Novel	664	---