

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201082

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

Pathological Diagnosis: Adenocarcinoma

Tumor Size: multiple tumor areas, diameter 2 - 6.5 cm

Location: left 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
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	11188182	G	A	Heterozygous	3.8	26	SNP	Novel	1117	---
MTOR	chr1	11188188	G	A	Heterozygous	4.4	41	SNP	Novel	1121	---
MTOR	chr1	11188277	G	A	Heterozygous	4.3	38	SNP	Novel	1094	---
NRAS	chr1	115252228	C	T	Heterozygous	3.7	34	SNP	Novel	1907	---
ALK	chr2	29416093	G	A	Heterozygous	4	23	SNP	Novel	779	---
ALK	chr2	29416112	C	T	Heterozygous	3.6	17	SNP	Novel	779	---
ALK	chr2	29416366	G	C	Heterozygous	53.1	10267	SNP	Novel	1838	---
ALK	chr2	29416572	T	C	Homozygous	100	40970	SNP	Novel	2569	---
ALK	chr2	29445458	G	T	Heterozygous	53.2	22009	SNP	Novel	3930	---
PIK3CA	chr3	178916720	G	A	Heterozygous	3.4	15	SNP	Novel	1097	---
PIK3CA	chr3	178916767	G	A	Heterozygous	3.1	11	SNP	Novel	1063	---
PIK3CA	chr3	178927995	G	A	Heterozygous	3	11	SNP	Novel	1914	---
FGFR3	chr4	1797310	G	A	Heterozygous	3.2	11	SNP	Novel	848	---
FGFR3	chr4	1807894	G	A	Homozygous	100	63794	SNP	Novel	3991	---
FGFR3	chr4	1809316	C	T	Heterozygous	3.2	15	SNP	Novel	1386	---
FGFR3	chr4	1809508	C	T	Heterozygous	3	12	SNP	Novel	1811	---
PDGFRA	chr4	55141031	G	A	Heterozygous	3.1	14	SNP	Novel	1765	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	27359	SNP	Novel	1716	---
KIT	chr4	55529187	G	A	Heterozygous	3.5	15	SNP	Novel	809	---
KIT	chr4	55529200	-	A	Heterozygous	49.6	3590	INS	Novel	790	---
KIT	chr4	55566266	G	A	Heterozygous	40.7	2352	SNP	Novel	656	---
KIT	chr4	55598903	A	T	Heterozygous	46	6552	SNP	Novel	1499	---
EGFR	chr7	55219904	G	T	Heterozygous	49.2	15517	SNP	Novel	3219	---
EGFR	chr7	55228053	A	-	Homozygous	100	18619	DEL	Novel	1254	---
SMO	chr7	128849115	C	T	Heterozygous	3	14	SNP	Novel	2593	---
SMO	chr7	128849173	C	T	Heterozygous	3.1	15	SNP	Novel	2686	---
JAK2	chr9	5073748	G	A	Heterozygous	3.3	17	SNP	Novel	1413	---
RET	chr10	43609917	C	T	Heterozygous	3.1	15	SNP	Novel	1822	---
RET	chr10	43613843	G	T	Heterozygous	51.1	20890	SNP	Novel	3985	---
RET	chr10	43615574	G	A	Heterozygous	3.2	17	SNP	Novel	1804	---
RET	chr10	43615633	C	G	Heterozygous	49.1	8633	SNP	Novel	1749	---
RET	chr10	43615683	C	T	Heterozygous	3.3	16	SNP	Novel	1596	---
RET	chr10	43617345	C	T	Heterozygous	3.4	18	SNP	Novel	1431	---
FGFR2	chr10	123274722	C	T	Heterozygous	2.9	10	SNP	Novel	2352	---
FGFR2	chr10	123312216	C	T	Heterozygous	3.5	24	SNP	Novel	1418	---

KRAS	chr12	25386044	C	T	Heterozygous	4.5	20	SNP	Novel	356	---
KRAS	chr12	25386063	C	A	Homozygous	98.9	5239	SNP	Novel	351	---
KRAS	chr12	25398241	A	G	Heterozygous	3.7	28	SNP	Novel	1741	---
ERBB3	chr12	56477694	A	T	Heterozygous	45.4	12441	SNP	Novel	2856	---
ERBB3	chr12	56478812	G	A	Heterozygous	2.9	13	SNP	Novel	3759	---
CDK4	chr12	58142148	G	A	Heterozygous	3.2	14	SNP	Novel	1303	---
CDK4	chr12	58142152	G	A	Heterozygous	4.3	44	SNP	Novel	1294	---
CDK4	chr12	58142153	G	A	Heterozygous	3.5	19	SNP	Novel	1294	---
CDK4	chr12	58145404	C	T	Heterozygous	3.1	12	SNP	Novel	1421	---
CDK4	chr12	58145459	G	A	Heterozygous	3.3	15	SNP	Novel	1380	---
CDK4	chr12	58145480	C	T	Heterozygous	5.2	82	SNP	Novel	1370	---
CDK4	chr12	58145714	C	T	Heterozygous	3.9	32	SNP	Novel	1349	---
CDK4	chr12	58145775	G	A	Heterozygous	3.9	35	SNP	Novel	1538	---
AKT1	chr14	105246562	G	A	Heterozygous	3.5	18	SNP	Novel	1157	---
MAP2K1	chr15	66774105	C	T	Heterozygous	3.1	17	SNP	Novel	2535	---
IDH2	chr15	90631861	C	T	Heterozygous	3.9	34	SNP	Novel	1449	---
ERBB2	chr17	37872368	C	T	Heterozygous	3.7	34	SNP	Novel	2027	---
ERBB2	chr17	37881524	G	A	Heterozygous	3.1	14	SNP	Novel	2078	---
MAP2K2	chr19	4117558	C	T	Heterozygous	3.2	18	SNP	Novel	1980	---
JAK3	chr19	17945947	C	T	Heterozygous	2.9	10	SNP	Novel	2062	---
JAK3	chr19	17945948	G	A	Heterozygous	3	11	SNP	Novel	2060	---
AR	chrX	66866202	G	A	Heterozygous	4	30	SNP	Novel	1159	---
AR	chrX	66874540	C	T	Heterozygous	3.3	14	SNP	Novel	936	---
AR	chrX	66874574	G	A	Heterozygous	3.3	13	SNP	Novel	978	---
AR	chrX	66915228	C	T	Heterozygous	3.3	15	SNP	Novel	1237	---
AR	chrX	66917720	C	T	Heterozygous	3.6	17	SNP	Novel	774	---
AR	chrX	66938989	C	T	Heterozygous	4	39	SNP	Novel	1537	---
AR	chrX	66941726	C	T	Heterozygous	4.7	31	SNP	Novel	602	---
AR	chrX	66941738	G	A	Heterozygous	3.6	15	SNP	Novel	607	---
AR	chrX	66945213	G	A	Heterozygous	3.9	27	SNP	Novel	1136	---