

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C202132

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

Pathological Diagnosis: Adenocarcinoma, Peripheral, invasive to pleura

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
JAK1	chr1	65311187	C	T	Heterozygous	2.9	10	SNP	Novel	69	---
NRAS	chr1	115256551	C	T	Heterozygous	4.2	10	SNP	Novel	48	---
RAF1	chr3	12645671	G	A	Heterozygous	4.8	10	SNP	Novel	42	---
RAF1	chr3	12645734	G	A	Heterozygous	14.6	36	SNP	Novel	41	---
PIK3CA	chr3	178947832	G	A	Heterozygous	5	27	SNP	Novel	101	---
PIK3CA	chr3	178947849	C	T	Heterozygous	5.2	28	SNP	Novel	96	---
FGFR3	chr4	1797677	C	T	Heterozygous	4.3	15	SNP	Novel	70	---
FGFR3	chr4	1797687	C	T	Heterozygous	4.2	15	SNP	Novel	71	---
FGFR3	chr4	1797702	C	T	Heterozygous	9.7	44	SNP	Novel	72	---
FGFR3	chr4	1797735	G	A	Heterozygous	10	44	SNP	Novel	70	---
FGFR3	chr4	1803606	A	G	Heterozygous	8.8	16	SNP	Novel	34	---
FGFR3	chr4	1803650	G	A	Heterozygous	9.1	15	SNP	Novel	33	---
FGFR3	chr4	1805874	C	T	Heterozygous	9.1	10	SNP	Novel	22	---
FGFR3	chr4	1807894	G	A	Homozygous	100	350	SNP	Novel	25	---
FGFR3	chr4	1808314	G	A	Heterozygous	4.4	10	SNP	Novel	45	---
FGFR3	chr4	1808315	G	A	Heterozygous	4.4	10	SNP	Novel	45	---
FGFR3	chr4	1808363	G	A	Heterozygous	3.8	10	SNP	Novel	52	---
FGFR3	chr4	1808398	G	A	Heterozygous	5.5	15	SNP	Novel	55	---
EGFR	chr7	55211093	C	T	Heterozygous	6.7	15	SNP	Novel	45	---
EGFR	chr7	55233045	G	A	Heterozygous	7.6	28	SNP	Novel	66	---
SMO	chr7	128846388	C	T	Heterozygous	4.2	20	SNP	Novel	96	---
SMO	chr7	128846412	C	G	Heterozygous	4.3	20	SNP	Novel	92	---
BRAF	chr7	140500247	G	A	Heterozygous	4	20	SNP	Novel	100	---
BRAF	chr7	140500269	G	A	Heterozygous	2.9	14	SNP	Novel	103	---
BRAF	chr7	140500284	G	A	Heterozygous	8.1	52	SNP	Novel	99	---
BRAF	chr7	140500288	G	A	Heterozygous	4.1	20	SNP	Novel	98	---
BRAF	chr7	140500290	C	A	Heterozygous	9.1	61	SNP	Novel	99	---
CDK4	chr12	58144972	CC	TT	Heterozygous	9.1	10	MNP	Novel	22	---
CDK4	chr12	58145953	C	T	Heterozygous	13.6	15	SNP	Novel	22	---
CDK4	chr12	58146005	C	T	Heterozygous	15	15	SNP	Novel	20	---
ERBB2	chr17	37879627	G	A	Heterozygous	14.9	123	SNP	Novel	74	---
ERBB2	chr17	37879657	C	T	Heterozygous	4	15	SNP	Novel	75	---
ERBB2	chr17	37879662	G	A	Heterozygous	6.8	27	SNP	Novel	73	---
ERBB2	chr17	37879674	G	A	Heterozygous	5.7	21	SNP	Novel	70	---
ERBB2	chr17	37879688	G	A	Heterozygous	2.9	10	SNP	Novel	70	---

ERBB2	chr17	37879856	G	A	Heterozygous	4.3	10	SNP	Novel	46	---
ERBB2	chr17	37879862	G	A	Heterozygous	8.7	21	SNP	Novel	46	---
GNA11	chr19	3118912	G	A	Heterozygous	5	10	SNP	Novel	40	---
GNA11	chr19	3118935	G	A	Heterozygous	10.3	21	SNP	Novel	39	---
JAK3	chr19	17949129	G	A	Heterozygous	4.7	44	SNP	Novel	169	---
JAK3	chr19	17949136	G	A	Heterozygous	3	35	SNP	Novel	167	---
JAK3	chr19	17949146	A	G	Heterozygous	2.7	22	SNP	Novel	186	---
JAK3	chr19	17949162	G	A	Heterozygous	5.3	66	SNP	Novel	188	---
JAK3	chr19	17949177	G	A	Heterozygous	2.5	20	SNP	Novel	204	---
JAK3	chr19	17949183	G	A	Heterozygous	3.9	38	SNP	Novel	206	---
JAK3	chr19	17949186	C	T	Heterozygous	1.5	10	SNP	Novel	205	---
AR	chrX	66906915	G	A	Heterozygous	7.5	15	SNP	Novel	40	---