

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201093

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

Pathological Diagnosis: Adenocarcinoma with necrosis, peripheral type. Pleural invasion.

Tumor Size: 8 x 8 x 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
JAK1	chr1	65311255	G	A	Heterozygous	6.8	46	SNP	Novel	294	---
NRAS	chr1	115256572	C	T	Heterozygous	25	35	SNP	Novel	24	---
ALK	chr2	29432660	G	A	Heterozygous	4.6	15	SNP	Novel	197	---
ALK	chr2	29432701	C	T	Heterozygous	3.8	11	SNP	Novel	210	---
RAF1	chr3	12632401	C	T	Heterozygous	32.1	64	SNP	Novel	28	---
RAF1	chr3	12632437	C	T	Heterozygous	34.8	55	SNP	Novel	23	---
FGFR3	chr4	1797669	C	T	Heterozygous	3.8	14	SNP	Novel	423	---
FGFR3	chr4	1797694	C	T	Heterozygous	4.3	22	SNP	Novel	439	---
FGFR3	chr4	1797725	G	A	Heterozygous	3.4	11	SNP	Novel	439	---
FGFR3	chr4	1803628	G	A	Heterozygous	7.9	56	SNP	Novel	252	---
FGFR3	chr4	1805829	C	T	Heterozygous	9.8	50	SNP	Novel	133	---
FGFR3	chr4	1805883	G	T	Heterozygous	16.2	94	SNP	Novel	111	---
FGFR3	chr4	1806124	G	A	Heterozygous	13.2	26	SNP	Novel	38	---
FGFR3	chr4	1807894	G	A	Heterozygous	97	3645	SNP	Novel	235	---
FGFR3	chr4	1807893	CG	TA	Heterozygous	3	3645	MNP	Novel	235	---
FGFR3	chr4	1807923	G	A	Heterozygous	4.4	15	SNP	Novel	228	---
PDGFRA	chr4	55144136	G	A	Heterozygous	13.9	26	SNP	Novel	36	---
PDGFRA	chr4	55144151	G	A	Heterozygous	22.2	51	SNP	Novel	36	---
EGFR	chr7	55232983	A	G	Heterozygous	6.1	18	SNP	Novel	98	---
EGFR	chr7	55233005	C	T	Heterozygous	18.3	113	SNP	Novel	109	---
EGFR	chr7	55233038	G	A	Heterozygous	15.7	89	SNP	Novel	108	---
EGFR	chr7	55233045	G	A	Heterozygous	6.5	21	SNP	Novel	108	---
EGFR	chr7	55241694	G	A	Heterozygous	24.5	89	SNP	Novel	49	---
MET	chr7	116340235	C	T	Heterozygous	20	42	SNP	Novel	35	---
SMO	chr7	128850328	G	A	Heterozygous	16	20	SNP	Novel	25	---
SMO	chr7	128850333	G	A	Heterozygous	16	20	SNP	Novel	25	---
SMO	chr7	128850357	C	T	Heterozygous	11.1	14	SNP	Novel	27	---
BRAF	chr7	140481411	C	T	Heterozygous	35.5	84	SNP	Hotspot	31	COSM453
RET	chr10	43613843	G	T	Heterozygous	70.6	276	SNP	Novel	34	---
HRAS	chr11	534250	G	A	Heterozygous	6.8	17	SNP	Novel	59	---
HRAS	chr11	534327	C	T	Heterozygous	7.9	14	SNP	Novel	38	---
CDK4	chr12	58145991	C	T	Heterozygous	4.3	15	SNP	Novel	232	---
CDK4	chr12	58145999	G	A	Heterozygous	5.2	22	SNP	Novel	233	---
ERBB2	chr17	37879678	T	C	Heterozygous	3.3	10	SNP	Novel	583	---
ERBB2	chr17	37879818	G	A	Heterozygous	3.8	11	SNP	Novel	240	---

ERBB2	chr17	37880960	A	C	Heterozygous	10.5	30	SNP	Novel	57	---
ERBB2	chr17	37882892	C	T	Heterozygous	8.8	15	SNP	Novel	34	---
ERBB2	chr17	37882924	C	T	Heterozygous	18.2	35	SNP	Novel	33	---
GNA11	chr19	3118967	C	T	Heterozygous	6.2	17	SNP	Novel	81	---
JAK3	chr19	17949130	G	A	Heterozygous	4	14	SNP	Novel	273	---
JAK3	chr19	17949147	G	A	Heterozygous	6.2	35	SNP	Novel	275	---