

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201144

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: 40 year(s) old

Pathological Diagnosis: Adenocarcinoma

Tumor Size: diameter 4.5 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	65310489	T	C	Heterozygous	49.9	13900	SNP	Novel	2754	---
ALK	chr2	29416366	G	C	Homozygous	100	30989	SNP	Novel	1936	---
ALK	chr2	29416572	T	C	Homozygous	100	39869	SNP	Novel	2491	---
ALK	chr2	29443617	C	G	Heterozygous	84.4	22718	SNP	Novel	2195	---
ALK	chr2	29445458	G	T	Homozygous	100	63945	SNP	Novel	3990	---
PIK3CA	chr3	178922301	G	A	Heterozygous	3.1	11	SNP	Novel	1061	---
FGFR3	chr4	1807894	G	A	Homozygous	100	63713	SNP	Novel	3985	---
PDGFRA	chr4	55097835	G	C	Homozygous	100	37982	SNP	Novel	2386	---
PDGFRA	chr4	55133726	T	G	Heterozygous	50.4	11690	SNP	Novel	2277	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	26497	SNP	Novel	1665	---
PDGFRA	chr4	55152040	C	T	Heterozygous	51.3	16915	SNP	Novel	3196	---
KIT	chr4	55529200	-	A	Heterozygous	60.1	3527	INS	Novel	549	---
KIT	chr4	55566266	G	A	Heterozygous	48.1	2565	SNP	Novel	541	---
EGFR	chr7	55259515	T	G	Heterozygous	80.8	38456	SNP	Hotspot	3969	COSM6224
JAK2	chr9	5073799	C	T	Heterozygous	84.6	16478	SNP	Novel	1411	---
FGFR2	chr10	123312173	C	T	Heterozygous	3.6	20	SNP	Novel	993	---
KRAS	chr12	25386063	C	A	Homozygous	99.1	7087	SNP	Novel	458	---
KRAS	chr12	25386081	A	G	Heterozygous	31.7	1131	SNP	Novel	463	---
ERBB3	chr12	56481600	C	T	Heterozygous	3.2	15	SNP	Novel	1622	---
ERBB3	chr12	56481646	C	T	Heterozygous	3.5	23	SNP	Novel	1632	---
CDK4	chr12	58144665	C	T	Homozygous	100	26941	SNP	Novel	1699	---
AR	chrX	66945177	G	A	Heterozygous	3.2	15	SNP	Novel	1555	---