BioChain®
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Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC **Lot No.: C201034**

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

Pathological Diagnosis: Central Squamous Cell Carcinoma

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:** _____

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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	Homozygous	100	63323	SNP	Novel	3971	---
ALK	chr2	29416092	A	G	Heterozygous	3.4	12	SNP	Novel	645	---
ALK	chr2	29416366	G	C	Homozygous	100	48597	SNP	Novel	3036	---
ALK	chr2	29416572	T	C	Homozygous	100	62210	SNP	Novel	3900	---
ALK	chr2	29445458	G	T	Homozygous	100	64014	SNP	Novel	3993	---
FGFR3	chr4	1807894	G	A	Homozygous	100	47785	SNP	Novel	2995	---
PDGFRA	chr4	55097835	G	C	Heterozygous	75.2	30115	SNP	Novel	3119	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	40401	SNP	Novel	2531	---
KIT	chr4	55529200	-	A	Heterozygous	48.5	1345	INS	Novel	301	---
KIT	chr4	55566266	G	A	Homozygous	100	4453	SNP	Novel	282	---
EGFR	chr7	55228053	A	-	Homozygous	100	12990	DEL	Novel	876	---
EGFR	chr7	55249063	G	A	Heterozygous	49	10318	SNP	Novel	2095	---
MET	chr7	116417531	G	T	Heterozygous	6.8	217	SNP	Novel	1770	---
RET	chr10	43609175	T	C	Heterozygous	3.2	26	SNP	Novel	3995	---
RET	chr10	43613843	G	T	Heterozygous	50.6	20608	SNP	Novel	3988	---
KRAS	chr12	25386054	C	G	Heterozygous	14.2	433	SNP	Novel	713	---
KRAS	chr12	25386063	C	A	Heterozygous	56.4	4747	SNP	Novel	782	---
KRAS	chr12	25386940	C	T	Heterozygous	47.5	3491	SNP	Novel	754	---
KRAS	chr12	25389182	A	G	Heterozygous	57.7	22073	SNP	Novel	3478	---
KRAS	chr12	25389220	A	G	Heterozygous	57.5	21181	SNP	Novel	3362	---
KRAS	chr12	25391239	G	C	Heterozygous	53.6	3504	SNP	Novel	623	---
KRAS	chr12	25400206	G	T	Homozygous	100	34666	SNP	Novel	2170	---
CDK4	chr12	58144665	C	T	Heterozygous	50.5	9562	SNP	Novel	1865	---