BioChain®
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Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC **Lot No.: C201146**

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

Pathological Diagnosis: Adenocarcinoma

Tumor Size: diameter 5 cm

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	Heterozygous	43.4	12881	SNP	Novel	3176	---
ALK	chr2	29416366	G	C	Homozygous	100	38293	SNP	Novel	2398	---
ALK	chr2	29416572	T	C	Homozygous	100	58987	SNP	Novel	3688	---
ALK	chr2	29445458	G	T	Homozygous	100	57814	SNP	Novel	3615	---
PIK3CA	chr3	178922274	C	A	Homozygous	100	12512	SNP	Novel	799	---
FGFR3	chr4	1807894	G	A	Homozygous	100	53555	SNP	Novel	3357	---
PDGFRA	chr4	55097835	G	C	Heterozygous	68.6	17925	SNP	Novel	2155	---
PDGFRA	chr4	55133726	T	G	Heterozygous	49.2	13312	SNP	Novel	2702	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	26930	SNP	Novel	1685	---
PDGFRA	chr4	55152040	C	T	Heterozygous	50.5	18738	SNP	Novel	3659	---
KIT	chr4	55529160	GAAA	-	Heterozygous	13.5	1725	DEL	Novel	207	---
KIT	chr4	55529161	AA	-	Heterozygous	74.9	1725	DEL	Novel	207	---
KIT	chr4	55529200	-	A	Heterozygous	52.2	1766	INS	Novel	337	---
KIT	chr4	55566266	G	A	Homozygous	99.4	2749	SNP	Novel	179	---
EGFR	chr7	55242500	A	T	Heterozygous	81	36111	SNP	Novel	3758	---
EGFR	chr7	55259515	T	G	Heterozygous	79.6	37399	SNP	Hotspot	3965	COSM6224
RET	chr10	43613843	G	T	Homozygous	100	63671	SNP	Novel	3984	---
KRAS	chr12	25386063	C	A	Homozygous	100	14014	SNP	Novel	882	---