BioChain®
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Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC **Lot No.: C202154**

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

Pathological Diagnosis: Adenocarcinoma

Tumor Size: diameter 5 cm

Location: left 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)

C202154

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
JAK1	chr1	65310489	T	C	Heterozygous	40	80	SNP	Novel	25	---
ALK	chr2	29416366	G	C	Heterozygous	50	130	SNP	Novel	28	---
ALK	chr2	29416572	T	C	Homozygous	100	1034	SNP	Novel	59	---
ALK	chr2	29416615	G	A	Heterozygous	63.3	510	SNP	Novel	60	---
PIK3CA	chr3	178936082	G	A	Heterozygous	13.2	44	SNP	Hotspot	53	COSM760
FGFR3	chr4	1807894	G	A	Homozygous	100	443	SNP	Novel	30	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	780	SNP	Novel	47	---
KIT	chr4	55529200	-	A	Heterozygous	54.5	103	INS	Novel	22	---
KIT	chr4	55593464	A	C	Heterozygous	59.2	355	SNP	Novel	49	---
EGFR	chr7	55228053	A	-	Homozygous	100	308	DEL	Novel	23	---
EGFR	chr7	55249063	G	A	Heterozygous	47.2	168	SNP	Novel	36	---
EGFR	chr7	55259515	T	G	Heterozygous	13.6	93	SNP	Hotspot	88	COSM6224
MET	chr7	116398763	C	T	Heterozygous	69.5	1071	SNP	Novel	95	---
BRAF	chr7	140476936	G	A	Heterozygous	97.9	767	SNP	Novel	48	---
RET	chr10	43613843	G	T	Heterozygous	36.4	150	SNP	Novel	44	---
KRAS	chr12	25398251	A	G	Heterozygous	2.8	10	SNP	Novel	71	---
KRAS	chr12	25398284	C	T	Heterozygous	11.6	52	SNP	Hotspot	69	COSM521
ERBB3	chr12	56477694	A	T	Homozygous	100	557	SNP	Novel	36	---
MAP2K2	chr19	4117528	G	A	Heterozygous	38.1	151	SNP	Novel	42	---