BioChain®
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Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC **Lot No.: C202165**

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

Pathological Diagnosis: Adenocarcinoma

Tumor Size: diameter 3.5 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)

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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	49.3	9923	SNP	Novel	1997	---
ALK	chr2	29416366	G	C	Heterozygous	50.3	10234	SNP	Novel	1998	---
ALK	chr2	29416572	T	C	Homozygous	100	31930	SNP	Novel	1996	---
ALK	chr2	29416615	G	A	Heterozygous	52.5	10980	SNP	Novel	1999	---
PIK3CA	chr3	178922278	T	-	Heterozygous	4	70	DEL	Novel	1936	---
PIK3CA	chr3	178936082	G	A	Heterozygous	12.4	632	SNP	Hotspot	1988	COSM760
FGFR3	chr4	1807894	G	A	Homozygous	100	31780	SNP	Novel	1992	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	31976	SNP	Novel	1997	---
KIT	chr4	55529160	GAAA	-	Heterozygous	37.3	19071	DEL	Novel	1420	---
KIT	chr4	55529160	GAAAA	-	Heterozygous	50.6	19071	DEL	Novel	1420	---
KIT	chr4	55529200	-	A	Heterozygous	52.4	10194	INS	Novel	1988	---
KIT	chr4	55566266	G	A	Heterozygous	46.3	8858	SNP	Novel	1998	---
KIT	chr4	55593464	A	C	Heterozygous	51.9	10768	SNP	Novel	1999	---
EGFR	chr7	55228053	A	-	Homozygous	100	29514	DEL	Novel	1989	---
EGFR	chr7	55242465	GGAATTAA	-	Heterozygous	11.4	520	DEL	Novel	1954	---
EGFR	chr7	55242465	GGAATTAA	-	Heterozygous	83.1	50	DEL	Hotspot	10100	COSM6223
EGFR	chr7	55249063	G	A	Heterozygous	48.9	9800	SNP	Novel	2000	---
EGFR	chr7	55259515	T	G	Heterozygous	10.1	395	SNP	Hotspot	1983	COSM6224
MET	chr7	116398763	C	T	Heterozygous	69.4	16933	SNP	Novel	1999	---
BRAF	chr7	140453136	A	T	Heterozygous	14.2	869	SNP	Hotspot	1989	COSM476
BRAF	chr7	140476936	G	A	Homozygous	100	31836	SNP	Novel	1991	---
RET	chr10	43613843	G	T	Heterozygous	51.1	10500	SNP	Novel	1999	---
KRAS	chr12	25386063	C	A	Homozygous	100	31495	SNP	Novel	1993	---
KRAS	chr12	25398284	C	T	Heterozygous	13.3	757	SNP	Hotspot	1994	COSM521
ERBB3	chr12	56477694	A	T	Homozygous	100	31867	SNP	Novel	1987	---
MAP2K2	chr19	4117528	G	A	Heterozygous	50.2	10228	SNP	Novel	2000	---