BioChain®
www.biochain.com
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Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC **Lot No.: C202161**

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

Pathological Diagnosis: Adenocarcinoma, peripheral type

Tumor Size: 3 x 2 x 1 cm

Location: left upper 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)

C202161

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
ALK	chr2	29416366	G	C	Heterozygous	45.9	8868	SNP	Novel	1996	---
ALK	chr2	29416572	T	C	Homozygous	100	31965	SNP	Novel	1997	---
ALK	chr2	29445458	G	T	Heterozygous	49.2	9899	SNP	Novel	1994	---
PIK3CA	chr3	178922274	C	A	Heterozygous	46.1	8944	SNP	Novel	1998	---
FGFR3	chr4	1807894	G	A	Homozygous	100	31890	SNP	Novel	1995	---
PDGFRA	chr4	55097835	G	C	Heterozygous	70.1	17253	SNP	Novel	1994	---
PDGFRA	chr4	55133726	T	G	Heterozygous	51.2	10505	SNP	Novel	1994	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	31888	SNP	Novel	1995	---
PDGFRA	chr4	55152040	C	T	Heterozygous	51.2	10530	SNP	Novel	1999	---
KIT	chr4	55529160	GAAA	-	Heterozygous	49.9	17600	DEL	Novel	1441	---
KIT	chr4	55529160	GAAAA	-	Heterozygous	44.6	17600	DEL	Novel	1441	---
KIT	chr4	55529200	-	A	Heterozygous	52.3	10377	INS	Novel	1982	---
KIT	chr4	55566266	G	A	Homozygous	100	31679	SNP	Novel	1985	---
KIT	chr4	55598952	T	C	Heterozygous	55.5	11976	SNP	Novel	2000	---
EGFR	chr7	55228053	A	-	Homozygous	100	29697	DEL	Novel	1992	---
MET	chr7	116313546	T	C	Heterozygous	48.7	9762	SNP	Novel	1998	---
RET	chr10	43613843	G	T	Heterozygous	49.6	9996	SNP	Novel	1995	---
RET	chr10	43615633	C	G	Heterozygous	48.8	9783	SNP	Novel	1996	---
KRAS	chr12	25386063	C	A	Homozygous	100	30844	SNP	Novel	1982	---
ERBB3	chr12	56477694	A	T	Heterozygous	53.8	11374	SNP	Novel	1997	---
CDK4	chr12	58144665	C	T	Heterozygous	51.8	10732	SNP	Novel	2000	---
ERBB2	chr17	37881350	G	A	Heterozygous	14.2	1209	SNP	Novel	2000	---