BioChain®
www.biochain.com
Tel: 1-888-762-2568 Fax: 1-510-783-5386 Email: info@biochain.com

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC **Lot No.: C201079**

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: _____ year(s) old
Female: 51 year(s) old

Pathological Diagnosis: Adenocarcinoma, mucoid

Tumor Size: diameter 5 cm

Location: left upper lobe

Components:
1. **5 curls per package**
2. **Certificate of Analysis**

FOR IN VITRO RESEARCH USE ONLY **APPROVED BY:** _____

Tel: 1-888-762-2568 Fax: 1-510-783-5386 Email: info@biochain.com

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)

C201079

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
JAK1	chr1	65310489	T	C	Heterozygous	51	18457	SNP	Novel	3527	---
ALK	chr2	29416366	G	C	Heterozygous	48.1	12659	SNP	Novel	2658	---
ALK	chr2	29416572	T	C	Homozygous	100	53286	SNP	Novel	3349	---
ALK	chr2	29445458	G	T	Heterozygous	49.2	19711	SNP	Novel	3984	---
PIK3CA	chr3	178922274	C	A	Heterozygous	47	3662	SNP	Novel	802	---
FGFR3	chr4	1797741	T	C	Heterozygous	49.9	20220	SNP	Novel	3999	---
FGFR3	chr4	1807894	G	A	Homozygous	100	63771	SNP	Novel	3989	---
PDGFRA	chr4	55097835	G	C	Heterozygous	66.2	23874	SNP	Novel	3026	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	25451	SNP	Novel	1602	---
KIT	chr4	55529200	-	A	Heterozygous	44.7	3581	INS	Novel	939	---
KIT	chr4	55566266	G	A	Homozygous	100	10460	SNP	Novel	665	---
EGFR	chr7	55228053	A	-	Homozygous	100	19073	DEL	Novel	1286	---
BRAF	chr7	140501253	A	G	Heterozygous	4.1	90	SNP	Novel	4000	---
RET	chr10	43613843	G	T	Heterozygous	48.9	19462	SNP	Novel	3978	---
KRAS	chr12	25386063	C	A	Homozygous	98.7	6198	SNP	Novel	399	---
KRAS	chr12	25386940	C	T	Heterozygous	45.8	6608	SNP	Novel	1500	---
KRAS	chr12	25389182	A	G	Heterozygous	56.7	9247	SNP	Novel	1493	---
KRAS	chr12	25389220	A	G	Heterozygous	56.4	8854	SNP	Novel	1453	---
KRAS	chr12	25398241	A	G	Heterozygous	4.3	50	SNP	Novel	1586	---
KRAS	chr12	25398284	C	T	Heterozygous	11.3	410	SNP	Hotspot	1549	COSM521
KRAS	chr12	25400206	G	T	Heterozygous	45.6	2891	SNP	Novel	663	---
ERBB3	chr12	56477694	A	T	Heterozygous	47.8	14893	SNP	Novel	3160	---
CDK4	chr12	58144665	C	T	Homozygous	100	31719	SNP	Novel	1998	---