BioChain®
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Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC **Lot No.: C201104**

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, central type

Tumor Size: N/A

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	36.1	6338	SNP	Novel	2090	---
ALK	chr2	29416366	G	C	Homozygous	100	30244	SNP	Novel	1890	---
ALK	chr2	29416572	T	C	Homozygous	100	32665	SNP	Novel	2041	---
ALK	chr2	29445458	G	T	Homozygous	100	46055	SNP	Novel	2877	---
FGFR3	chr4	1807894	G	A	Homozygous	100	64024	SNP	Novel	3995	---
PDGFRA	chr4	55097723	C	T	Heterozygous	3.1	13	SNP	Novel	1780	---
PDGFRA	chr4	55097835	G	C	Heterozygous	79.8	19140	SNP	Novel	1803	---
PDGFRA	chr4	55133726	T	G	Heterozygous	58.4	9606	SNP	Novel	1489	---
PDGFRA	chr4	55141055	A	G	Homozygous	98.6	19011	SNP	Novel	1230	---
PDGFRA	chr4	55152040	C	T	Heterozygous	59.7	13328	SNP	Novel	2001	---
KIT	chr4	55529200	-	A	Homozygous	100	9246	INS	Novel	607	---
KIT	chr4	55566266	G	A	Homozygous	100	5894	SNP	Novel	375	---
ROS1	chr6	117641122	A	G	Heterozygous	3	11	SNP	Novel	1449	---
EGFR	chr7	55242516	G	A	Heterozygous	4.1	43	SNP	Novel	1497	---
BRAF	chr7	140434463	T	C	Heterozygous	66	30472	SNP	Novel	3879	---
BRAF	chr7	140501253	A	G	Heterozygous	5.8	306	SNP	Novel	4000	---
RET	chr10	43613843	G	T	Homozygous	100	63961	SNP	Novel	3989	---
RET	chr10	43617330	C	T	Heterozygous	3.1	10	SNP	Novel	863	---
RET	chr10	43617404	C	T	Heterozygous	3.5	15	SNP	Novel	797	---
FGFR2	chr10	123284126	A	G	Heterozygous	50	5339	SNP	Novel	1065	---
FGFR2	chr10	123350032	G	A	Heterozygous	3.3	10	SNP	Novel	580	---
KRAS	chr12	25386063	C	A	Heterozygous	54.9	3743	SNP	Novel	639	---
KRAS	chr12	25391239	G	C	Heterozygous	46.3	4401	SNP	Novel	981	---
KRAS	chr12	25398241	A	G	Heterozygous	5	74	SNP	Novel	1360	---
KRAS	chr12	25400206	G	T	Heterozygous	60.2	5188	SNP	Novel	769	---
ERBB3	chr12	56477694	A	T	Homozygous	100	36990	SNP	Novel	2312	---
AKT1	chr14	105246452	C	T	Heterozygous	3.2	10	SNP	Novel	821	---
AR	chrX	66915263	C	T	Heterozygous	4.9	40	SNP	Novel	714	---
AR	chrX	66941784	G	A	Heterozygous	4.3	26	SNP	Novel	649	---