

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C202131

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

Pathological Diagnosis: Adenocarcinoma, Peripheral, invasive to pleura

Tumor Size: N/A

Location: left upper lobe

Components:

1. 5 curls per package
2. Certificate of Analysis

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____



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
NRAS	chr1	115258697	C	T	Heterozygous	20.5	154	SNP	Novel	83	---
NRAS	chr1	115258752	T	G	Heterozygous	4.1	15	SNP	Novel	73	---
ALK	chr2	29432662	C	T	Heterozygous	6.5	42	SNP	Novel	108	---
ALK	chr2	29432680	C	T	Heterozygous	14.5	139	SNP	Novel	110	---
ALK	chr2	29432683	C	T	Heterozygous	11.7	103	SNP	Novel	111	---
ALK	chr2	29432693	C	T	Heterozygous	6.4	43	SNP	Novel	110	---
RAF1	chr3	12645648	C	T	Heterozygous	24.2	132	SNP	Novel	62	---
RAF1	chr3	12645653	C	T	Heterozygous	30.6	186	SNP	Novel	62	---
FGFR3	chr4	1797669	C	A	Heterozygous	2.2	19	SNP	Novel	223	---
FGFR3	chr4	1797676	C	T	Heterozygous	1.7	13	SNP	Novel	229	---
FGFR3	chr4	1797715	C	T	Heterozygous	3.3	34	SNP	Novel	242	---
FGFR3	chr4	1797723	G	A	Heterozygous	3.7	40	SNP	Novel	242	---
FGFR3	chr4	1797747	C	T	Heterozygous	3	44	SNP	Novel	234	---
FGFR3	chr4	1803569	CC	TT	Heterozygous	3.8	26	MNP	Novel	131	---
FGFR3	chr4	1803584	C	T	Heterozygous	2.3	14	SNP	Novel	132	---
FGFR3	chr4	1803606	A	G	Heterozygous	3.7	31	SNP	Novel	162	---
FGFR3	chr4	1803613	C	T	Heterozygous	3.6	31	SNP	Novel	165	---
FGFR3	chr4	1805818	C	T	Heterozygous	5.3	10	SNP	Novel	38	---
FGFR3	chr4	1805829	C	T	Heterozygous	7.9	15	SNP	Novel	38	---
FGFR3	chr4	1805885	C	T	Heterozygous	10	15	SNP	Novel	30	---
FGFR3	chr4	1806089	G	A	Heterozygous	4.3	15	SNP	Novel	70	---
FGFR3	chr4	1806110	C	A	Heterozygous	12.5	62	SNP	Novel	72	---
FGFR3	chr4	1806122	G	C	Heterozygous	5.4	20	SNP	Novel	74	---
FGFR3	chr4	1806125	G	T	Heterozygous	6.8	27	SNP	Novel	74	---
FGFR3	chr4	1806131	T	C	Heterozygous	6.8	27	SNP	Novel	73	---
FGFR3	chr4	1806136	G	A	Heterozygous	9	35	SNP	Novel	67	---
FGFR3	chr4	1806176	C	T	Heterozygous	5.3	15	SNP	Novel	57	---
FGFR3	chr4	1807861	G	A	Heterozygous	5.8	27	SNP	Novel	86	---
FGFR3	chr4	1807877	G	A	Heterozygous	3.6	15	SNP	Novel	83	---
FGFR3	chr4	1807888	G	A	Heterozygous	4.7	20	SNP	Novel	85	---
FGFR3	chr4	1807891	G	A	Heterozygous	4.7	20	SNP	Novel	85	---
FGFR3	chr4	1807894	G	A	Homozygous	100	1637	SNP	Novel	86	---
FGFR3	chr4	1808315	G	A	Heterozygous	4	36	SNP	Novel	174	---
FGFR3	chr4	1808332	G	A	Heterozygous	7.9	88	SNP	Novel	178	---
FGFR3	chr4	1808354	C	T	Heterozygous	6.1	64	SNP	Novel	179	---

FGFR3	chr4	1808367	G	A	Heterozygous	4.9	49	SNP	Novel	182	---
FGFR3	chr4	1808372	C	T	Heterozygous	2.7	22	SNP	Novel	183	---
FGFR3	chr4	1808378	C	T	Heterozygous	6	63	SNP	Novel	183	---
EGFR	chr7	55233000	C	T	Heterozygous	5.6	27	SNP	Novel	89	---
EGFR	chr7	55233002	C	T	Heterozygous	4.5	20	SNP	Novel	89	---
EGFR	chr7	55233023	C	T	Heterozygous	16.7	128	SNP	Novel	90	---
MET	chr7	116423422	G	A	Heterozygous	9.4	15	SNP	Novel	32	---
SMO	chr7	128846382	C	T	Heterozygous	3.8	26	SNP	Novel	132	---
SMO	chr7	128846419	C	T	Heterozygous	13.3	137	SNP	Novel	120	---
BRAF	chr7	140500250	G	A	Heterozygous	32.6	313	SNP	Novel	86	---
BRAF	chr7	140500290	C	A	Heterozygous	3.5	13	SNP	Novel	85	---
RET	chr10	43613843	G	T	Heterozygous	80.5	451	SNP	Novel	41	---
RET	chr10	43613868	G	A	Heterozygous	17.5	45	SNP	Novel	40	---
RET	chr10	43613873	G	A	Heterozygous	17.5	45	SNP	Novel	40	---
HRAS	chr11	534289	C	T	Heterozygous	13.2	44	SNP	Hotspot	53	COSM480
HRAS	chr11	534300	A	C	Heterozygous	7.4	21	SNP	Novel	54	---
HRAS	chr11	534302	C	T	Heterozygous	19.6	85	SNP	Novel	56	---
HRAS	chr11	534304	C	A	Heterozygous	5.6	15	SNP	Novel	54	---
HRAS	chr11	534308	C	T	Heterozygous	7.4	21	SNP	Novel	54	---
HRAS	chr11	534328	C	T	Heterozygous	7.1	15	SNP	Novel	42	---
CDK4	chr12	58145960	C	T	Heterozygous	2.4	22	SNP	Novel	247	---
CDK4	chr12	58145973	G	A	Heterozygous	1.6	14	SNP	Novel	245	---
CDK4	chr12	58145998	G	A	Heterozygous	3.7	44	SNP	Novel	244	---
CDK4	chr12	58146020	C	T	Heterozygous	4.1	47	SNP	Novel	244	---
ERBB2	chr17	37872476	C	T	Heterozygous	20	46	SNP	Novel	35	---
ERBB2	chr17	37879621	G	T	Heterozygous	1.7	14	SNP	Novel	295	---
ERBB2	chr17	37879626	G	A	Heterozygous	4.7	81	SNP	Novel	296	---
ERBB2	chr17	37879635	C	T	Heterozygous	4	56	SNP	Novel	299	---
ERBB2	chr17	37879645	C	T	Heterozygous	3	35	SNP	Novel	302	---
ERBB2	chr17	37879653	G	A	Heterozygous	5.6	94	SNP	Novel	301	---
ERBB2	chr17	37879683	G	A	Heterozygous	3.6	48	SNP	Novel	305	---
ERBB2	chr17	37879816	G	A	Heterozygous	6.2	27	SNP	Novel	80	---
ERBB2	chr17	37879820	G	A	Heterozygous	6.2	27	SNP	Novel	80	---
ERBB2	chr17	37879867	G	A	Heterozygous	2.9	14	SNP	Novel	102	---
ERBB2	chr17	37879868	G	A	Heterozygous	3.9	20	SNP	Novel	102	---
ERBB2	chr17	37880321	C	G	Homozygous	100	698	SNP	Novel	43	---
ERBB2	chr17	37881027	C	T	Heterozygous	15.1	54	SNP	Novel	53	---
GNA11	chr19	3118890	G	A	Heterozygous	14.8	94	SNP	Novel	81	---

GNA11	chr19	3118928	G	A	Heterozygous	15	94	SNP	Novel	80	---
GNA11	chr19	3118935	G	A	Heterozygous	2.8	14	SNP	Novel	71	---
GNA11	chr19	3118964	G	A	Heterozygous	8.2	35	SNP	Novel	73	---
JAK3	chr19	17949129	G	A	Heterozygous	10.1	114	SNP	Novel	148	---
JAK3	chr19	17949164	T	A	Heterozygous	2.4	17	SNP	Hotspot	167	COSM48455
JAK3	chr19	17949182	C	T	Heterozygous	2.5	18	SNP	Novel	163	---
JAK3	chr19	17949189	G	A	Heterozygous	13.1	163	SNP	Novel	160	---
AR	chrX	66943525	C	T	Heterozygous	25.5	98	SNP	Novel	47	---