

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C202109

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: 61 year(s) old

Pathological Diagnosis: Squamous Cell Carcinoma

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
MTOR	chr1	11188007	G	A	Heterozygous	10.9	32	SNP	Novel	55	---
MTOR	chr1	11188020	G	A	Heterozygous	12.9	53	SNP	Novel	62	---
MTOR	chr1	11188042	C	T	Heterozygous	18	84	SNP	Novel	61	---
MTOR	chr1	11188079	C	T	Heterozygous	8.2	28	SNP	Novel	61	---
MTOR	chr1	11188083	G	A	Heterozygous	14.8	63	SNP	Novel	61	---
MTOR	chr1	11217206	C	T	Heterozygous	9.1	15	SNP	Novel	33	---
MTOR	chr1	11217216	C	T	Heterozygous	8.6	15	SNP	Novel	35	---
JAK1	chr1	65311191	C	T	Heterozygous	3.9	80	SNP	Novel	517	---
JAK1	chr1	65311195	C	T	Heterozygous	1.4	12	SNP	Novel	518	---
JAK1	chr1	65311216	C	T	Heterozygous	6	180	SNP	Novel	549	---
JAK1	chr1	65311220	C	T	Heterozygous	5.5	154	SNP	Novel	549	---
NRAS	chr1	115256505	T	C	Heterozygous	6.2	69	SNP	Novel	192	---
NRAS	chr1	115256508	C	T	Heterozygous	4.7	47	SNP	Novel	192	---
NRAS	chr1	115256536	C	T	Heterozygous	1.5	11	SNP	Hotspot	195	COSM578
NRAS	chr1	115256559	C	T	Heterozygous	6	59	SNP	Novel	168	---
ALK	chr2	29420393	C	T	Heterozygous	19.6	64	SNP	Novel	46	---
ALK	chr2	29420418	G	A	Heterozygous	12.5	36	SNP	Novel	48	---
ALK	chr2	29420473	C	T	Heterozygous	6.4	15	SNP	Novel	47	---
ALK	chr2	29432666	G	A	Heterozygous	2.7	35	SNP	Novel	255	---
ALK	chr2	29432687	C	T	Heterozygous	6.5	101	SNP	Novel	263	---
ALK	chr2	29432693	C	T	Heterozygous	7.6	130	SNP	Novel	263	---
ALK	chr2	29432714	G	A	Heterozygous	3.1	32	SNP	Novel	262	---
ALK	chr2	29432717	C	T	Heterozygous	2.3	21	SNP	Novel	262	---
ALK	chr2	29432722	G	A	Heterozygous	3.1	32	SNP	Novel	261	---
RAF1	chr3	12645659	C	T	Heterozygous	12.8	287	SNP	Novel	266	---
RAF1	chr3	12645665	G	A	Heterozygous	11.7	250	SNP	Novel	266	---
RAF1	chr3	12645708	C	T	Heterozygous	6.2	100	SNP	Novel	275	---
RAF1	chr3	12645724	C	T	Heterozygous	12.4	286	SNP	Novel	274	---
PIK3CA	chr3	178947848	C	T	Heterozygous	5.4	92	SNP	Novel	336	---
FGFR3	chr4	1797669	C	T	Heterozygous	7.1	229	SNP	Novel	535	---
FGFR3	chr4	1797677	C	T	Heterozygous	3.8	284	SNP	Novel	548	---
FGFR3	chr4	1797695	C	T	Heterozygous	2.9	54	SNP	Novel	558	---
FGFR3	chr4	1797708	C	T	Heterozygous	3	57	SNP	Novel	560	---
FGFR3	chr4	1797710	C	T	Heterozygous	2.9	51	SNP	Novel	560	---
FGFR3	chr4	1797717	C	T	Heterozygous	3	57	SNP	Novel	558	---

FGFR3	chr4	1797724	G	A	Heterozygous	3.4	70	SNP	Novel	557	---
FGFR3	chr4	1797735	G	A	Heterozygous	3.3	63	SNP	Novel	552	---
FGFR3	chr4	1797741	T	C	Heterozygous	51.6	4316	SNP	Novel	554	---
FGFR3	chr4	1797744	C	T	Heterozygous	4	91	SNP	Novel	554	---
FGFR3	chr4	1803553	C	T	Heterozygous	9.7	115	SNP	Novel	176	---
FGFR3	chr4	1803564	C	T	Heterozygous	6.2	64	SNP	Hotspot	177	COSM714
FGFR3	chr4	1803573	C	T	Heterozygous	6.1	64	SNP	Novel	179	---
FGFR3	chr4	1803588	C	T	Heterozygous	4.5	42	SNP	Novel	178	---
FGFR3	chr4	1803606	A	G	Heterozygous	4.1	39	SNP	Novel	195	---
FGFR3	chr4	1803632	C	T	Heterozygous	4.4	45	SNP	Novel	205	---
FGFR3	chr4	1803647	C	T	Heterozygous	11.3	170	SNP	Novel	204	---
FGFR3	chr4	1805857	T	-	Heterozygous	5.1	10	DEL	Novel	39	---
FGFR3	chr4	1805867	C	T	Heterozygous	22.9	55	SNP	Novel	35	---
FGFR3	chr4	1806086	G	A	Heterozygous	13.8	104	SNP	Novel	94	---
FGFR3	chr4	1806119	G	A	Heterozygous	16.3	140	SNP	Hotspot	98	COSM24842
FGFR3	chr4	1806131	T	C	Heterozygous	4.1	20	SNP	Novel	98	---
FGFR3	chr4	1806170	C	T	Heterozygous	6.9	35	SNP	Novel	87	---
FGFR3	chr4	1806183	C	T	Heterozygous	7	27	SNP	Novel	71	---
FGFR3	chr4	1807846	C	T	Heterozygous	2.1	16	SNP	Novel	192	---
FGFR3	chr4	1807850	G	A	Heterozygous	4.1	39	SNP	Novel	193	---
FGFR3	chr4	1807860	G	A	Heterozygous	3.1	27	SNP	Novel	193	---
FGFR3	chr4	1807861	G	A	Heterozygous	1.5	11	SNP	Novel	194	---
FGFR3	chr4	1807894	G	A	Homozygous	100	3649	SNP	Novel	188	---
FGFR3	chr4	1807908	C	T	Heterozygous	5.9	62	SNP	Novel	188	---
FGFR3	chr4	1807910	G	A	Heterozygous	2.7	22	SNP	Novel	187	---
FGFR3	chr4	1807911	C	T	Heterozygous	2.1	16	SNP	Novel	187	---
FGFR3	chr4	1807913	C	A	Heterozygous	1.6	11	SNP	Novel	187	---
FGFR3	chr4	1807916	GG	AA	Heterozygous	4.8	77	MNP	Novel	186	---
FGFR3	chr4	1808330	C	T	Heterozygous	1.4	10	SNP	Novel	286	---
FGFR3	chr4	1808349	C	T	Heterozygous	4.5	65	SNP	Novel	286	---
FGFR3	chr4	1808353	T	C	Heterozygous	2.4	24	SNP	Novel	289	---
FGFR3	chr4	1808366	G	A	Heterozygous	6.2	106	SNP	Novel	291	---
FGFR3	chr4	1808374	A	G	Heterozygous	2.1	19	SNP	Novel	291	---
FGFR3	chr4	1808377	G	A	Heterozygous	4.8	72	SNP	Novel	291	---
FGFR3	chr4	1808382	G	A	Heterozygous	3.4	43	SNP	Novel	291	---
PDGFRA	chr4	55144156	G	A	Heterozygous	13.8	93	SNP	Novel	87	---
PDGFRA	chr4	55144157	A	C	Heterozygous	3.4	15	SNP	Novel	87	---
PDGFRA	chr4	55144178	G	A	Heterozygous	15.1	105	SNP	Novel	86	---

PDGFRA	chr4	55161915	G	A	Heterozygous	15.4	21	SNP	Novel	26	---
EGFR	chr7	55211097	G	A	Heterozygous	15.8	94	SNP	Novel	76	---
EGFR	chr7	55232972	G	A	Heterozygous	5.2	150	SNP	Novel	229	---
EGFR	chr7	55232986	G	A	Heterozygous	9.1	185	SNP	Novel	296	---
EGFR	chr7	55232990	C	T	Heterozygous	5	78	SNP	Novel	298	---
EGFR	chr7	55233011	C	T	Heterozygous	7.5	141	SNP	Novel	293	---
EGFR	chr7	55233029	G	A	Heterozygous	4.9	73	SNP	Novel	288	---
EGFR	chr7	55233051	G	A	Heterozygous	3.2	37	SNP	Novel	278	---
EGFR	chr7	55241701	G	A	Heterozygous	9.4	90	SNP	Novel	128	---
EGFR	chr7	55241706	G	A	Heterozygous	7.9	79	SNP	Novel	139	---
EGFR	chr7	55241710	T	G	Heterozygous	8.8	90	SNP	Novel	137	---
EGFR	chr7	55241718	G	A	Heterozygous	6	50	SNP	Novel	133	---
MET	chr7	116398763	C	T	Heterozygous	39.1	69	SNP	Novel	23	---
MET	chr7	116423464	G	A	Heterozygous	19.5	154	SNP	Novel	87	---
SMO	chr7	128846352	C	T	Heterozygous	4	61	SNP	Novel	348	---
SMO	chr7	128846381	C	T	Heterozygous	4.6	75	SNP	Novel	348	---
SMO	chr7	128846390	G	A	Heterozygous	5	83	SNP	Novel	343	---
SMO	chr7	128846395	G	C	Heterozygous	4.7	75	SNP	Novel	344	---
SMO	chr7	128846403	C	T	Heterozygous	6.8	123	SNP	Novel	310	---
SMO	chr7	128850329	C	T	Heterozygous	5	46	SNP	Novel	161	---
SMO	chr7	128850351	C	T	Heterozygous	8.8	96	SNP	Novel	159	---
BRAF	chr7	140500236	C	T	Heterozygous	7.1	74	SNP	Novel	170	---
BRAF	chr7	140500256	C	T	Heterozygous	4.5	43	SNP	Novel	177	---
BRAF	chr7	140500278	C	T	Heterozygous	1.7	12	SNP	Novel	174	---
BRAF	chr7	140501288	G	A	Heterozygous	3.6	20	SNP	Novel	110	---
BRAF	chr7	140501292	G	A	Heterozygous	3.6	20	SNP	Novel	110	---
BRAF	chr7	140507801	C	T	Heterozygous	6.6	21	SNP	Novel	61	---
BRAF	chr7	140507823	C	T	Heterozygous	11.4	53	SNP	Novel	70	---
GNAQ	chr9	80412542	C	T	Heterozygous	8.1	15	SNP	Novel	37	---
RET	chr10	43613807	G	A	Heterozygous	12.8	36	SNP	Novel	47	---
RET	chr10	43613831	C	T	Heterozygous	17	54	SNP	Novel	47	---
RET	chr10	43613843	G	T	Heterozygous	81.2	560	SNP	Novel	48	---
RET	chr10	43613877	C	T	Heterozygous	11.1	28	SNP	Novel	45	---
FGFR2	chr10	123279624	C	T	Heterozygous	11.4	28	SNP	Novel	44	---
FGFR2	chr10	123279670	G	A	Heterozygous	15.4	54	SNP	Novel	52	---
HRAS	chr11	534257	C	T	Heterozygous	16.7	37	SNP	Novel	36	---
HRAS	chr11	534269	C	T	Heterozygous	10.5	21	SNP	Novel	38	---
HRAS	chr11	534305	C	T	Heterozygous	16.1	29	SNP	Novel	31	---

ERBB3	chr12	56478814	C	T	Heterozygous	11.8	21	SNP	Novel	34	---
ERBB3	chr12	56478898	C	T	Heterozygous	20	46	SNP	Novel	35	---
CDK4	chr12	58142890	C	T	Heterozygous	15.1	54	SNP	Novel	53	---
CDK4	chr12	58142919	C	T	Heterozygous	14.5	54	SNP	Novel	55	---
CDK4	chr12	58142968	C	T	Heterozygous	35.3	175	SNP	Novel	51	---
CDK4	chr12	58145977	C	T	Heterozygous	7.3	60	SNP	Novel	109	---
CDK4	chr12	58145985	G	A	Heterozygous	4.6	31	SNP	Novel	108	---
MAP2K1	chr15	66727450	C	A	Heterozygous	9.3	21	SNP	Novel	43	---
MAP2K1	chr15	66727464	G	A	Heterozygous	11.5	36	SNP	Novel	52	---
MAP2K1	chr15	66727483	G	A	Heterozygous	18.9	74	SNP	Novel	53	---
MAP2K1	chr15	66774154	G	T	Heterozygous	6.5	10	SNP	Novel	31	---
ERBB2	chr17	37872463	C	T	Heterozygous	13.3	53	SNP	Novel	60	---
ERBB2	chr17	37879621	G	T	Heterozygous	1.2	11	SNP	Novel	653	---
ERBB2	chr17	37879630	G	A	Heterozygous	3.8	191	SNP	Novel	660	---
ERBB2	chr17	37879635	C	T	Heterozygous	2.7	53	SNP	Novel	667	---
ERBB2	chr17	37879641	G	A	Heterozygous	1.6	20	SNP	Novel	677	---
ERBB2	chr17	37879658	G	A	Heterozygous	9.6	461	SNP	Hotspot	679	COSM436498
ERBB2	chr17	37879684	A	G	Heterozygous	1.6	20	SNP	Novel	676	---
ERBB2	chr17	37879815	G	T	Heterozygous	2	14	SNP	Novel	148	---
ERBB2	chr17	37879826	C	T	Heterozygous	3.9	61	SNP	Novel	153	---
ERBB2	chr17	37879883	T	A	Heterozygous	5.3	54	SNP	Novel	190	---
ERBB2	chr17	37879893	G	A	Heterozygous	3.9	36	SNP	Novel	178	---
ERBB2	chr17	37879900	G	A	Heterozygous	9.6	115	SNP	Novel	178	---
ERBB2	chr17	37879905	G	A	Heterozygous	7.9	88	SNP	Novel	178	---
ERBB2	chr17	37880321	C	G	Homozygous	100	424	SNP	Novel	29	---
ERBB2	chr17	37880960	A	C	Heterozygous	6.2	27	SNP	Novel	81	---
ERBB2	chr17	37881004	G	T	Heterozygous	3.6	14	SNP	Novel	83	---
ERBB2	chr17	37881031	G	A	Heterozygous	13.6	102	SNP	Novel	81	---
ERBB2	chr17	37881043	C	T	Heterozygous	7.1	35	SNP	Novel	84	---
JAK3	chr19	17949129	G	A	Heterozygous	2.7	52	SNP	Novel	677	---
JAK3	chr19	17949144	C	T	Heterozygous	4.9	159	SNP	Novel	696	---
JAK3	chr19	17949164	T	A	Heterozygous	1.8	26	SNP	Hotspot	704	COSM48455