

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201031

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

Pathological Diagnosis: Centralized adenocarcinoma, no invasion of pleural

Tumor Size: 4 x 3 x 1 cm

Location: right lower 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	11174397	C	T	Heterozygous	3.6	16	SNP	Novel	748	---
MTOR	chr1	11174459	C	T	Heterozygous	3.2	10	SNP	Novel	760	---
MTOR	chr1	11174493	G	A	Heterozygous	4.9	43	SNP	Novel	730	---
MTOR	chr1	11189819	C	T	Heterozygous	5.4	38	SNP	Novel	464	---
MTOR	chr1	11189822	C	T	Heterozygous	4.5	24	SNP	Novel	464	---
MTOR	chr1	11189851	C	T	Heterozygous	5.4	39	SNP	Novel	460	---
MTOR	chr1	11189857	G	A	Heterozygous	3.5	11	SNP	Novel	460	---
MTOR	chr1	11190790	G	A	Heterozygous	3.6	14	SNP	Novel	561	---
MTOR	chr1	11190877	C	T	Heterozygous	4	20	SNP	Novel	572	---
MTOR	chr1	11190890	C	T	Heterozygous	4	20	SNP	Novel	571	---
JAK1	chr1	65312276	C	T	Heterozygous	3.6	14	SNP	Novel	615	---
JAK1	chr1	65312295	C	T	Heterozygous	3.2	10	SNP	Novel	618	---
JAK1	chr1	65312300	C	T	Heterozygous	3.6	14	SNP	Novel	617	---
NRAS	chr1	115252235	C	T	Heterozygous	3.4	12	SNP	Novel	646	---
NRAS	chr1	115258774	T	C	Heterozygous	3.2	18	SNP	Novel	2077	---
DDR2	chr1	162724585	G	A	Heterozygous	3.6	11	SNP	Novel	366	---
DDR2	chr1	162724625	C	T	Heterozygous	3.7	12	SNP	Novel	354	---
ALK	chr2	29416167	C	T	Heterozygous	5.3	28	SNP	Novel	320	---
ALK	chr2	29416170	C	T	Heterozygous	4.1	15	SNP	Novel	320	---
ALK	chr2	29416198	G	A	Heterozygous	4.2	16	SNP	Novel	312	---
ALK	chr2	29416366	G	C	Heterozygous	47.4	3489	SNP	Novel	744	---
ALK	chr2	29416435	C	T	Heterozygous	4.2	26	SNP	Novel	746	---
ALK	chr2	29416572	T	C	Homozygous	100	10486	SNP	Novel	665	---
ALK	chr2	29436942	C	T	Heterozygous	4.5	24	SNP	Novel	471	---
ALK	chr2	29443649	G	A	Heterozygous	5.6	75	SNP	Novel	944	---
ALK	chr2	29445458	G	T	Heterozygous	50.9	8306	SNP	Novel	1588	---
PIK3CA	chr3	178922278	T	C	Heterozygous	2.5	26	SNP	Novel	767	---
PIK3CA	chr3	178928009	G	A	Heterozygous	3.4	17	SNP	Novel	1203	---
FGFR3	chr4	1797234	G	A	Heterozygous	6.2	40	SNP	Novel	324	---
FGFR3	chr4	1807894	G	A	Homozygous	100	33368	SNP	Novel	2099	---
FGFR3	chr4	1809260	C	T	Heterozygous	7.8	75	SNP	Novel	384	---
FGFR3	chr4	1809317	G	A	Heterozygous	3.8	16	SNP	Novel	444	---
FGFR3	chr4	1809476	C	T	Heterozygous	3.5	13	SNP	Novel	605	---
FGFR3	chr4	1809503	C	T	Heterozygous	4	20	SNP	Novel	605	---
FGFR3	chr4	1809529	G	A	Heterozygous	4	20	SNP	Novel	602	---

FGFR3	chr4	1809543	G	A	Heterozygous	3.5	13	SNP	Novel	602	---
FGFR3	chr4	1809555	C	T	Heterozygous	3.5	13	SNP	Novel	596	---
FGFR3	chr4	1809563	C	T	Heterozygous	3.3	11	SNP	Novel	600	---
PDGFRA	chr4	55097826	G	A	Heterozygous	4.1	26	SNP	Novel	838	---
PDGFRA	chr4	55097829	G	A	Heterozygous	3.2	11	SNP	Novel	840	---
PDGFRA	chr4	55097835	G	C	Heterozygous	60.1	5634	SNP	Novel	834	---
PDGFRA	chr4	55121518	G	A	Heterozygous	3.3	11	SNP	Novel	731	---
PDGFRA	chr4	55141037	C	T	Heterozygous	6.4	65	SNP	Novel	551	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	8649	SNP	Novel	550	---
PDGFRA	chr4	55141092	C	T	Heterozygous	3.3	10	SNP	Novel	550	---
PDGFRA	chr4	55152140	C	T	Heterozygous	3.2	13	SNP	Novel	1053	---
KIT	chr4	55529200	-	A	Homozygous	100	8175	INS	Novel	566	---
KIT	chr4	55566266	G	A	Homozygous	100	8593	SNP	Novel	551	---
KIT	chr4	55598851	G	A	Heterozygous	5.3	52	SNP	Novel	736	---
KIT	chr4	55598952	T	C	Heterozygous	59.8	4923	SNP	Novel	734	---
ROS1	chr6	117638379	G	A	Heterozygous	3.1	11	SNP	Novel	1344	---
ESR1	chr6	152419951	C	T	Heterozygous	4.2	31	SNP	Novel	904	---
ESR1	chr6	152419994	G	A	Heterozygous	3.5	17	SNP	Novel	904	---
EGFR	chr7	55221858	C	T	Heterozygous	3.5	14	SNP	Novel	653	---
EGFR	chr7	55228053	A	-	Homozygous	100	11783	DEL	Novel	790	---
EGFR	chr7	55242422	G	A	Heterozygous	3.5	13	SNP	Novel	605	---
EGFR	chr7	55242423	G	A	Heterozygous	4.8	34	SNP	Novel	605	---
EGFR	chr7	55249022	G	A	Heterozygous	4.1	21	SNP	Novel	617	---
EGFR	chr7	55259436	C	T	Heterozygous	3.1	11	SNP	Novel	1174	---
SMO	chr7	128849139	G	A	Heterozygous	3.5	16	SNP	Novel	854	---
JAK2	chr9	5073813	C	T	Heterozygous	3.9	20	SNP	Novel	727	---
JAK2	chr9	5073852	C	T	Heterozygous	4.6	32	SNP	Novel	678	---
RET	chr10	43609972	G	A	Heterozygous	3.2	11	SNP	Novel	715	---
RET	chr10	43609980	C	T	Heterozygous	6.2	74	SNP	Novel	712	---
RET	chr10	43609982	C	A	Heterozygous	3.2	11	SNP	Novel	712	---
RET	chr10	43615608	C	T	Heterozygous	4.7	27	SNP	Novel	473	---
RET	chr10	43617341	C	T	Heterozygous	4.4	32	SNP	Novel	801	---
RET	chr10	43617380	C	T	Heterozygous	4.9	45	SNP	Novel	796	---
FGFR2	chr10	123284160	G	A	Heterozygous	3.4	13	SNP	Novel	669	---
KRAS	chr12	25364831	G	A	Heterozygous	3.2	11	SNP	Novel	914	---
KRAS	chr12	25386033	C	T	Heterozygous	3.9	11	SNP	Novel	206	---
KRAS	chr12	25386063	C	A	Heterozygous	55.5	1195	SNP	Novel	209	---
KRAS	chr12	25386074	C	T	Heterozygous	3.9	11	SNP	Novel	206	---

KRAS	chr12	25386940	C	T	Heterozygous	47.9	4699	SNP	Novel	990	---
KRAS	chr12	25389182	A	G	Heterozygous	55.4	10943	SNP	Novel	1835	---
KRAS	chr12	25389220	A	G	Heterozygous	55.5	10736	SNP	Novel	1796	---
KRAS	chr12	25391239	G	C	Heterozygous	49.5	3656	SNP	Novel	734	---
KRAS	chr12	25398259	C	T	Heterozygous	3.2	14	SNP	Novel	1174	---
KRAS	chr12	25400206	G	T	Homozygous	100	14053	SNP	Novel	880	---
ERBB3	chr12	56477671	C	T	Heterozygous	3.4	17	SNP	Novel	1146	---
ERBB3	chr12	56477694	A	T	Homozygous	98.7	17218	SNP	Novel	1112	---
ERBB3	chr12	56481602	C	T	Heterozygous	3.8	20	SNP	Novel	785	---
ERBB3	chr12	56481614	C	T	Heterozygous	3.7	19	SNP	Novel	779	---
ERBB3	chr12	56481628	C	T	Heterozygous	3.9	21	SNP	Novel	776	---
ERBB3	chr12	56482597	G	A	Heterozygous	3.9	21	SNP	Novel	802	---
ERBB3	chr12	56482643	G	A	Heterozygous	6	77	SNP	Novel	779	---
CDK4	chr12	58142122	G	A	Heterozygous	3.9	20	SNP	Novel	635	---
CDK4	chr12	58144455	C	T	Heterozygous	3.3	11	SNP	Novel	698	---
CDK4	chr12	58144665	C	T	Homozygous	100	15694	SNP	Novel	983	---
CDK4	chr12	58145384	G	A	Heterozygous	3.6	16	SNP	Novel	814	---
CDK4	chr12	58145401	G	A	Heterozygous	3.2	10	SNP	Novel	820	---
CDK4	chr12	58145428	C	T	Heterozygous	3.5	15	SNP	Novel	807	---
CDK4	chr12	58145447	C	T	Heterozygous	4.6	37	SNP	Novel	806	---
CDK4	chr12	58145454	G	A	Heterozygous	7.8	147	SNP	Novel	807	---
AKT1	chr14	105246465	C	T	Heterozygous	6.2	35	SNP	Novel	256	---
AKT1	chr14	105246503	C	T	Heterozygous	4.7	20	SNP	Novel	300	---
AKT1	chr14	105246535	C	T	Heterozygous	6.8	54	SNP	Novel	351	---
AKT1	chr14	105246546	G	A	Heterozygous	4.8	24	SNP	Novel	352	---
MAP2K1	chr15	66727448	C	T	Heterozygous	3.5	17	SNP	Novel	1042	---
ERBB2	chr17	37868139	G	A	Heterozygous	4.6	26	SNP	Novel	478	---
ERBB2	chr17	37872426	C	T	Heterozygous	5.3	46	SNP	Novel	644	---
ERBB2	chr17	37872456	C	T	Heterozygous	4.4	25	SNP	Novel	525	---
ERBB2	chr17	37880296	C	T	Heterozygous	3.4	12	SNP	Novel	712	---
ERBB2	chr17	37880321	C	G	Heterozygous	7	108	SNP	Novel	757	---
ERBB2	chr17	37880323	G	A	Heterozygous	5.6	63	SNP	Novel	765	---
ERBB2	chr17	37880959	C	T	Heterozygous	3	11	SNP	Novel	1604	---
ERBB2	chr17	37881385	C	T	Heterozygous	3.9	19	SNP	Novel	675	---
ERBB2	chr17	37881410	C	T	Heterozygous	3.7	17	SNP	Novel	678	---
ERBB2	chr17	37881418	G	A	Heterozygous	3.8	19	SNP	Novel	678	---
ERBB2	chr17	37881577	C	T	Heterozygous	3.5	11	SNP	Novel	520	---
ERBB2	chr17	37881631	C	T	Heterozygous	5.3	34	SNP	Novel	437	---

ERBB2	chr17	37881633	C	T	Heterozygous	3.4	11	SNP	Novel	437	---
ERBB2	chr17	37883169	G	A	Heterozygous	3.6	16	SNP	Novel	661	---
ERBB2	chr17	37883235	G	A	Heterozygous	9.2	191	SNP	Novel	729	---
GNA11	chr19	3114994	C	T	Heterozygous	3.9	16	SNP	Novel	463	---
GNA11	chr19	3115027	G	A	Heterozygous	4.7	27	SNP	Novel	465	---
GNA11	chr19	3115042	C	T	Heterozygous	4.5	24	SNP	Novel	469	---
GNA11	chr19	3115076	G	A	Heterozygous	5.3	38	SNP	Novel	468	---
MAP2K2	chr19	4117573	C	T	Heterozygous	3.3	11	SNP	Novel	663	---
MAP2K2	chr19	4117578	C	T	Heterozygous	4.7	34	SNP	Novel	663	---
MAP2K2	chr19	4117599	G	A	Heterozygous	5.5	51	SNP	Novel	638	---
MAP2K2	chr19	4117615	C	T	Heterozygous	3.9	20	SNP	Novel	637	---
MAP2K2	chr19	4117640	C	T	Heterozygous	2.8	13	SNP	Novel	601	---
JAK3	chr19	17945905	C	T	Heterozygous	3.7	15	SNP	Novel	507	---
JAK3	chr19	17945907	C	T	Heterozygous	3.9	17	SNP	Novel	508	---
JAK3	chr19	17945914	G	A	Heterozygous	7	77	SNP	Novel	497	---
JAK3	chr19	17945917	G	A	Heterozygous	4.5	26	SNP	Novel	511	---
JAK3	chr19	17945944	G	A	Heterozygous	3.3	10	SNP	Novel	511	---
JAK3	chr19	17945961	C	T	Heterozygous	3.5	15	SNP	Novel	512	---
JAK3	chr19	17945983	C	T	Heterozygous	5	35	SNP	Novel	538	---
JAK3	chr19	17948744	C	T	Heterozygous	4.7	34	SNP	Novel	611	---
JAK3	chr19	17948747	G	A	Heterozygous	4.2	24	SNP	Novel	616	---
JAK3	chr19	17948821	G	A	Heterozygous	3.3	11	SNP	Novel	611	---
AR	chrX	66866170	G	A	Heterozygous	3.9	16	SNP	Novel	461	---
AR	chrX	66866221	G	A	Heterozygous	4.1	19	SNP	Novel	459	---
AR	chrX	66915208	G	T	Heterozygous	4	18	SNP	Novel	500	---
AR	chrX	66915211	G	A	Heterozygous	4.2	21	SNP	Novel	500	---
AR	chrX	66915261	G	A	Heterozygous	4.4	25	SNP	Novel	520	---
AR	chrX	66917690	G	A	Heterozygous	5	36	SNP	Novel	565	---
AR	chrX	66917696	C	T	Heterozygous	4	20	SNP	Novel	570	---
AR	chrX	66938994	C	T	Heterozygous	3.5	14	SNP	Novel	691	---
AR	chrX	66941747	G	A	Heterozygous	5.6	28	SNP	Novel	269	---
AR	chrX	66941766	G	A	Heterozygous	5.2	24	SNP	Novel	306	---
AR	chrX	66941813	C	A	Heterozygous	4.1	17	SNP	Novel	416	---
AR	chrX	66941817	G	A	Heterozygous	4.6	23	SNP	Novel	415	---
AR	chrX	66945188	C	T	Heterozygous	3.7	13	SNP	Novel	376	---
AR	chrX	66945206	C	T	Heterozygous	6.4	54	SNP	Novel	359	---