

Data Sheet

Product Name: CancerSeq AMS Paraffin Tissue Curl

Catalog No.: T2235152-AC

Lot No.: C201050

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: 46 year(s) old

Pathological Diagnosis: Adenocarcinoma, Entity

Tumor Size: diameter 3.5 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)

C201050

Gene ID	Chrom	Position	Ref	Variant	Allele Call	Frequency	Quality	Type	Allele Source	Coverage	Allele Name
MTOR	chr1	11174385	C	T	Heterozygous	3.3	10	SNP	Novel	544	---
MTOR	chr1	11174403	G	A	Heterozygous	4.9	35	SNP	Novel	546	---
MTOR	chr1	11174493	G	A	Heterozygous	4.5	27	SNP	Novel	530	---
MTOR	chr1	11188178	G	A	Heterozygous	10.3	104	SNP	Novel	291	---
MTOR	chr1	11188186	G	A	Heterozygous	6.1	37	SNP	Novel	293	---
MTOR	chr1	11188230	G	A	Heterozygous	4.3	17	SNP	Novel	300	---
MTOR	chr1	11189778	C	T	Heterozygous	5.3	37	SNP	Novel	472	---
MTOR	chr1	11189877	G	A	Heterozygous	4.3	21	SNP	Novel	463	---
MTOR	chr1	11189901	G	A	Heterozygous	3.7	12	SNP	Novel	456	---
MTOR	chr1	11190795	G	A	Heterozygous	3.7	15	SNP	Novel	542	---
MTOR	chr1	11190833	G	A	Heterozygous	3.3	11	SNP	Novel	540	---
MTOR	chr1	11190843	G	A	Heterozygous	3.5	13	SNP	Novel	538	---
JAK1	chr1	65312296	C	T	Heterozygous	3.3	11	SNP	Novel	611	---
NRAS	chr1	115252226	C	T	Heterozygous	6.3	57	SNP	Novel	478	---
NRAS	chr1	115252264	C	T	Heterozygous	4.3	22	SNP	Novel	483	---
ALK	chr2	29416572	T	C	Heterozygous	96.6	15584	SNP	Novel	993	---
ALK	chr2	29416572	TC	CT	Heterozygous	3.4	15584	MNP	Novel	993	---
ALK	chr2	29497989	G	A	Heterozygous	3.6	12	SNP	Novel	414	---
IDH1	chr2	209113196	C	T	Heterozygous	3.6	20	SNP	Novel	989	---
CTNNB1	chr3	41266045	G	A	Heterozygous	4.4	18	SNP	Novel	319	---
CTNNB1	chr3	41266146	G	A	Heterozygous	4.7	22	SNP	Novel	317	---
PIK3CA	chr3	178916703	G	A	Heterozygous	6.1	25	SNP	Novel	163	---
PIK3CA	chr3	178916783	C	T	Heterozygous	6.8	32	SNP	Novel	148	---
PIK3CA	chr3	178916890	C	T	Heterozygous	6.6	22	SNP	Hotspot	227	COSM27493
PIK3CA	chr3	178916914	G	A	Heterozygous	4.4	14	SNP	Novel	225	---
PIK3CA	chr3	178916930	G	A	Heterozygous	5.3	12	SNP	Novel	227	---
PIK3CA	chr3	178922347	C	T	Heterozygous	9.9	60	SNP	Novel	172	---
PIK3CA	chr3	178927994	G	A	Heterozygous	3.8	13	SNP	Novel	368	---
PIK3CA	chr3	178936138	G	A	Heterozygous	3.7	10	SNP	Novel	246	---
PIK3CA	chr3	178952074	G	A	Heterozygous	4.2	9	SNP	Hotspot	589	COSM29313
FGFR3	chr4	1797232	C	T	Heterozygous	3.7	12	SNP	Novel	295	---
FGFR3	chr4	1797234	G	A	Heterozygous	3.7	11	SNP	Novel	297	---
FGFR3	chr4	1797256	G	A	Heterozygous	3.7	11	SNP	Novel	295	---
FGFR3	chr4	1797310	G	A	Heterozygous	5.3	29	SNP	Novel	319	---
FGFR3	chr4	1807894	G	A	Homozygous	100	45463	SNP	Novel	2839	---

FGFR3	chr4	1809494	C	T	Heterozygous	3.3	11	SNP	Novel	599	---
FGFR3	chr4	1809504	C	T	Heterozygous	6	61	SNP	Novel	600	---
PDGFRA	chr4	55121560	C	T	Heterozygous	4.9	21	SNP	Novel	264	---
PDGFRA	chr4	55121585	C	T	Heterozygous	6.1	34	SNP	Novel	262	---
PDGFRA	chr4	55123716	C	T	Heterozygous	5.5	22	SNP	Novel	201	---
PDGFRA	chr4	55133670	G	A	Heterozygous	3.5	14	SNP	Novel	719	---
PDGFRA	chr4	55141055	A	G	Homozygous	100	4436	SNP	Novel	281	---
KIT	chr4	55529200	-	A	Heterozygous	49.3	680	INS	Novel	146	---
KIT	chr4	55566195	C	T	Heterozygous	6.6	22	SNP	Novel	106	---
KIT	chr4	55566221	G	A	Heterozygous	6.6	22	SNP	Novel	106	---
KIT	chr4	55566266	G	A	Heterozygous	62.9	706	SNP	Novel	105	---
KIT	chr4	55573065	C	T	Heterozygous	5.6	19	SNP	Novel	124	---
KIT	chr4	55573109	C	T	Heterozygous	6.3	22	SNP	Novel	126	---
KIT	chr4	55593481	A	G	Heterozygous	41.6	5670	SNP	Novel	1498	---
KIT	chr4	55593689	C	T	Heterozygous	10.1	108	SNP	Novel	316	---
KIT	chr4	55598920	C	T	Heterozygous	12	60	SNP	Novel	108	---
ROS1	chr6	117641129	G	A	Heterozygous	4	17	SNP	Novel	425	---
ROS1	chr6	117641146	C	T	Heterozygous	4.5	23	SNP	Novel	423	---
EGFR	chr7	55221797	C	T	Heterozygous	5.5	34	SNP	Novel	362	---
EGFR	chr7	55221803	G	A	Heterozygous	4.2	18	SNP	Novel	377	---
EGFR	chr7	55221862	G	A	Heterozygous	6.2	51	SNP	Novel	436	---
EGFR	chr7	55221865	C	T	Heterozygous	5.2	32	SNP	Novel	440	---
EGFR	chr7	55221885	C	T	Heterozygous	3.6	13	SNP	Novel	441	---
EGFR	chr7	55242426	C	T	Heterozygous	4.2	17	SNP	Novel	383	---
EGFR	chr7	55249003	C	T	Heterozygous	4.3	10	SNP	Novel	559	---
EGFR	chr7	55249063	G	A	Heterozygous	54.2	3390	SNP	Novel	589	---
MET	chr7	116313542	G	A	Heterozygous	4.3	13	SNP	Novel	161	---
MET	chr7	116313575	C	T	Heterozygous	5	16	SNP	Novel	161	---
MET	chr7	116403164	C	T	Heterozygous	6.5	46	SNP	Novel	340	---
MET	chr7	116403245	G	A	Heterozygous	6.1	39	SNP	Novel	330	---
MET	chr7	116411972	C	T	Heterozygous	5	19	SNP	Novel	222	---
MET	chr7	116411978	G	A	Heterozygous	5.9	27	SNP	Novel	222	---
MET	chr7	116411980	G	A	Heterozygous	5.9	27	SNP	Novel	222	---
MET	chr7	116412040	G	A	Heterozygous	5	21	SNP	Novel	219	---
MET	chr7	116415130	G	A	Heterozygous	4	16	SNP	Novel	397	---
MET	chr7	116415198	C	T	Heterozygous	3.5	11	SNP	Novel	395	---
MET	chr7	116417438	C	T	Heterozygous	3.9	13	SNP	Novel	306	---
MET	chr7	116417466	G	A	Heterozygous	4.2	16	SNP	Novel	310	---

MET	chr7	116417519	G	A	Heterozygous	3.9	13	SNP	Novel	310	---
SMO	chr7	128849127	C	T	Heterozygous	3.3	12	SNP	Novel	747	---
BRAF	chr7	140453113	G	A	Heterozygous	5.9	21	SNP	Novel	135	---
BRAF	chr7	140476713	C	T	Heterozygous	6.2	54	SNP	Novel	467	---
BRAF	chr7	140476720	C	T	Heterozygous	3.4	11	SNP	Novel	467	---
BRAF	chr7	140476736	G	A	Heterozygous	6	49	SNP	Novel	469	---
BRAF	chr7	140494226	G	A	Heterozygous	3.6	14	SNP	Novel	555	---
JAK2	chr9	5073748	G	A	Heterozygous	8.5	45	SNP	Novel	164	---
JAK2	chr9	5073772	C	T	Heterozygous	6	24	SNP	Novel	167	---
JAK2	chr9	5073799	C	T	Heterozygous	41.4	621	SNP	Novel	169	---
GNAQ	chr9	80409414	C	T	Heterozygous	3.8	12	SNP	Novel	290	---
GNAQ	chr9	80409442	G	A	Heterozygous	6.6	42	SNP	Novel	288	---
RET	chr10	43609922	C	T	Heterozygous	3.2	12	SNP	Novel	999	---
RET	chr10	43610010	C	T	Heterozygous	3.1	10	SNP	Novel	1004	---
RET	chr10	43615573	G	A	Heterozygous	7.1	74	SNP	Novel	478	---
RET	chr10	43615637	G	A	Heterozygous	4.1	18	SNP	Novel	469	---
RET	chr10	43615687	G	A	Heterozygous	4.5	23	SNP	Novel	418	---
RET	chr10	43617319	C	T	Heterozygous	7.2	43	SNP	Novel	236	---
RET	chr10	43617346	C	T	Heterozygous	7.2	43	SNP	Novel	236	---
RET	chr10	43617419	C	T	Heterozygous	4	12	SNP	Novel	199	---
FGFR2	chr10	123274796	G	A	Heterozygous	4.6	25	SNP	Novel	458	---
FGFR2	chr10	123274817	C	T	Heterozygous	3.7	14	SNP	Novel	459	---
FGFR2	chr10	123276961	G	A	Heterozygous	3.7	15	SNP	Novel	536	---
FGFR2	chr10	123279713	G	A	Heterozygous	3.8	28	SNP	Novel	1484	---
FGFR2	chr10	123312187	C	T	Heterozygous	4.9	24	SNP	Novel	324	---
FGFR2	chr10	123312221	C	T	Heterozygous	3.9	14	SNP	Novel	331	---
FGFR2	chr10	123312241	C	T	Heterozygous	5.8	35	SNP	Novel	329	---
FGFR2	chr10	123312267	C	T	Heterozygous	4.3	17	SNP	Novel	325	---
KRAS	chr12	25364835	C	T	Heterozygous	7.2	37	SNP	Novel	195	---
KRAS	chr12	25378552	C	T	Heterozygous	5	18	SNP	Novel	202	---
KRAS	chr12	25380262	C	T	Heterozygous	3.4	15	SNP	Novel	938	---
KRAS	chr12	25380319	C	T	Heterozygous	3.9	25	SNP	Novel	972	---
KRAS	chr12	25386063	C	A	Homozygous	100	1541	SNP	Novel	103	---
KRAS	chr12	25386123	C	T	Heterozygous	4.5	12	SNP	Novel	110	---
KRAS	chr12	25387194	G	A	Heterozygous	6.5	33	SNP	Novel	216	---
KRAS	chr12	25387232	T	C	Heterozygous	5.7	25	SNP	Novel	212	---
KRAS	chr12	25387270	G	A	Heterozygous	3.8	10	SNP	Novel	184	---
KRAS	chr12	25389191	G	A	Heterozygous	7.3	60	SNP	Novel	343	---

KRAS	chr12	25391158	G	A	Heterozygous	6.5	23	SNP	Novel	124	---
KRAS	chr12	25391183	G	A	Heterozygous	4.8	14	SNP	Novel	126	---
KRAS	chr12	25398246	G	A	Heterozygous	4.3	14	SNP	Novel	235	---
ERBB3	chr12	56477694	A	T	Homozygous	100	11922	SNP	Novel	753	---
ERBB3	chr12	56481643	C	T	Heterozygous	5.4	40	SNP	Novel	479	---
ERBB3	chr12	56481672	C	T	Heterozygous	8.1	99	SNP	Novel	484	---
ERBB3	chr12	56482529	C	T	Heterozygous	5.9	53	SNP	Novel	545	---
ERBB3	chr12	56482533	C	T	Heterozygous	3.5	12	SNP	Novel	546	---
ERBB3	chr12	56482644	CC	TT	Heterozygous	4.4	25	MNP	Novel	544	---
CDK4	chr12	58142091	G	A	Heterozygous	5.5	24	SNP	Novel	217	---
CDK4	chr12	58142155	G	A	Heterozygous	4.4	15	SNP	Novel	204	---
CDK4	chr12	58142247	C	T	Heterozygous	7.9	56	SNP	Novel	252	---
CDK4	chr12	58144466	C	T	Heterozygous	4.1	16	SNP	Novel	340	---
CDK4	chr12	58144580	C	T	Heterozygous	5.9	36	SNP	Novel	322	---
CDK4	chr12	58144603	C	T	Heterozygous	6.7	48	SNP	Novel	329	---
CDK4	chr12	58144638	C	T	Heterozygous	3.9	14	SNP	Novel	333	---
CDK4	chr12	58144665	C	T	Heterozygous	54.2	1881	SNP	Novel	330	---
CDK4	chr12	58145383	G	A	Heterozygous	3.9	16	SNP	Novel	467	---
CDK4	chr12	58145430	C	T	Heterozygous	4.8	12	SNP	Hotspot	460	COSM1989836
CDK4	chr12	58145783	C	T	Heterozygous	7.3	70	SNP	Novel	411	---
CDK4	chr12	58145804	C	T	Heterozygous	4.4	21	SNP	Novel	407	---
AKT1	chr14	105246502	C	T	Heterozygous	4.1	15	SNP	Novel	318	---
AKT1	chr14	105246527	G	A	Heterozygous	5.1	29	SNP	Novel	373	---
AKT1	chr14	105246557	C	T	Heterozygous	3.5	11	SNP	Novel	369	---
AKT1	chr14	105246579	C	T	Heterozygous	3.6	11	SNP	Novel	366	---
MAP2K1	chr15	66727489	G	A	Heterozygous	3.5	17	SNP	Novel	902	---
IDH2	chr15	90631864	G	A	Heterozygous	3.6	12	SNP	Novel	415	---
ERBB2	chr17	37868146	C	T	Heterozygous	4.8	24	SNP	Novel	378	---
ERBB2	chr17	37868240	G	A	Heterozygous	4.9	26	SNP	Novel	389	---
ERBB2	chr17	37872452	C	T	Heterozygous	5.8	58	SNP	Novel	640	---
ERBB2	chr17	37872476	C	T	Heterozygous	3.8	18	SNP	Novel	688	---
ERBB2	chr17	37880224	G	A	Heterozygous	4	17	SNP	Novel	478	---
ERBB2	chr17	37880340	C	T	Heterozygous	3.4	11	SNP	Novel	498	---
ERBB2	chr17	37881367	C	T	Heterozygous	3.1	10	SNP	Novel	826	---
ERBB2	chr17	37883175	CC	TT	Heterozygous	3.4	13	MNP	Novel	677	---
GNA11	chr19	3115051	C	T	Heterozygous	3.8	19	SNP	Novel	709	---
MAP2K2	chr19	4117627	C	T	Heterozygous	3.7	17	SNP	Novel	673	---
JAK3	chr19	17945905	C	T	Heterozygous	5.6	69	SNP	Novel	854	---

JAK3	chr19	17948774	C	T	Heterozygous	4	18	SNP	Novel	502	---
JAK3	chr19	17948792	C	T	Heterozygous	4.8	32	SNP	Novel	499	---
JAK3	chr19	17948801	C	T	Heterozygous	4.4	24	SNP	Novel	499	---
AR	chrX	66866189	G	A	Heterozygous	4.4	29	SNP	Novel	685	---
AR	chrX	66866214	G	A	Heterozygous	3.9	20	SNP	Novel	668	---
AR	chrX	66915190	C	T	Heterozygous	3.6	12	SNP	Novel	422	---
AR	chrX	66915242	C	T	Heterozygous	4	16	SNP	Novel	425	---
AR	chrX	66941743	G	A	Heterozygous	3.5	11	SNP	Novel	339	---
AR	chrX	66941776	G	A	Heterozygous	3.6	12	SNP	Novel	412	---