

Data Sheet

Product Name: CancerSeqPlus Paraffin Tissue Curl

Catalog No.: T2235152-SC

Lot No.: C101100

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: 64 year(s) old

Pathological Diagnosis: Adenocarcinoma

Tumor Size: 4x4x1.5 cm

Location: Lung, Left Upper Lobe

Components:

1. 5 curls per package
2. Certificate of Analysis

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____



C101100

For CNV mutations, we utilize stringent criteria to confirm copy number variations -- using normal tissues as controls. We may have samples containing additional CNVs not listed here. Please inquire.

symbol	type	chromosome	position	reference	mutation	quality	allele type	Depth	variant frequency	transcript_id	consequence	existing variation
ABL1	snp	chr9	1.34E+08	G	A	1382.74	het	95	0.54	NM_00731	missense_variant	
ABL1	snp	chr9	1.34E+08	G	A	765.195	het	51	0.57	NM_00731	missense_variant	
ALK	snp	chr2	29445458	G	T	5649.67	hom	189	1.00	NM_00430	synonymous_variant	rs3795850
APC	snp	chr5	1.12E+08	C	T	237.291	hom	10	1.00	XM_00527	missense_variant	
APC	snp	chr5	1.12E+08	G	A	4264.71	hom	167	1.00	XM_00527	synonymous_variant	rs465899
APC	snp	chr5	1.12E+08	G	A	548.183	hom	24	1.00	XM_00527	missense_variant	COSM2891
APC	snp	chr5	1.12E+08	C	T	1695.73	het	104	0.81	XM_00527	missense_variant	
APC	snp	chr5	1.12E+08	C	A	505.881	het	48	0.54	XM_00527	stop_gained	
APC	snp	chr5	1.12E+08	C	T	1138.51	het	79	0.54	XM_00527	missense_variant	
ATM	snp	chr11	1.08E+08	G	A	7017.57	hom	288	0.95	NM_00005	synonymous_variant	
ATM	snp	chr11	1.08E+08	G	A	3074.14	het	171	0.67	NM_00005	synonymous_variant	
AURKA	complex	chr20	54963136	CGGAAAG	ATTACAGA	507.8	het	117	0.26	NM_00360	intron_variant&feature	
AURKA	complex	chr20	54963147	CCC	CAATTA	406.286	het	119	0.23	NM_00360	intron_variant&feature	
CCNE1	snp	chr19	30303575	C	T	1091.86	het	82	0.54	NM_00123	intron_variant	
CCNE1	del,del	chr19	30311542	GTTTTTTT	GTTTTTTT	627.197	het	42	0.50	NM_00123	intron_variant&feature	
CDH1	snp	chr16	68771270	G	T	10482.7	het	472	0.74	NM_00436	5_prime_UTR_variant	
CDH1	snp	chr16	68771372	C	T	17170	hom	544	0.99	NM_00436	splice_region_variant	rs3743674
CDH1	snp	chr16	68857441	T	C	1762.53	hom	76	1.00	NM_00436	synonymous_variant	rs1801552
CDKN2A	snp	chr9	21968199	C	G	41532	hom	1345	1.00	NM_00119	3_prime_UTR_variant	rs11515&C
CDKN2A	snp	chr9	21968336	G	A	4639.83	hom	206	1.00	NM_00119	intron_variant	
CSF1R	snp	chr5	1.49E+08	C	T	1897.56	het	105	0.68	NM_00521	missense_variant	
CTNNB1	snp	chr3	41265971	G	A	7422.49	het	512	0.55	XM_00526	intron_variant	
DDR2	snp	chr1	1.63E+08	T	C	13268.3	hom	417	1.00	XM_00524	intron_variant	rs1780003
DDR2	snp	chr1	1.63E+08	G	T	2161.51	hom	87	1.00	XM_00524	intron_variant	rs1355287
ERBB3	complex	chr12	56477694	AGCC	TGC	754.434	het	45	0.73	NM_00198	splice_region_variant&	
ERBB3	snp	chr12	56477694	AGCC	TGCC	9135.25	hom	360	0.88	NM_00198	splice_region_variant&	
EZH2	snp	chr7	1.49E+08	A	G	4429.79	hom	157	1.00	XM_00524	intron_variant	rs2072407

FBXW7	snp	chr4	1.53E+08	C	T	708.74	het	39	0.87	NM_03363	intron_variant
FBXW7	snp	chr4	1.53E+08	A	G	3448.31	hom	124	1.00	NM_03363	intron_variant
FBXW7	snp	chr4	1.53E+08	G	A	631.51	hom	23	1.00	NM_03363	splice_region_variant
FBXW7	del,del	chr4	1.53E+08	CAAAAAAAAA	CAAAAAAAAA	1780.98	het	298	0.26	NM_03363	splice_region_variant
FGFR1	snp	chr8	38272160	C	T	18566.7	het	951	0.69	NM_00117	intron_variant
FGFR3	del	chr4	1806012	TGGGGGGG	TGGGGGGG	6237.2	het	1862	0.18	NM_00116	intron_variant
FGFR3	snp	chr4	1807894	G	A	15759.4	hom	512	0.99	NM_00116	synonymous_variant
FGFR3	complex	chr4	1808889	GCCAGGA	TCCTGGC	878.058	het	40	0.88	NM_00116	missense_variant
FGFR3	complex	chr4	1808900	CCC	CGGGG	758.496	hom	31	0.94	NM_00116	frameshift_variant
FLT3	snp	chr13	28609991	T	C	440.212	hom	20	1.00	NM_00411	intron_variant
FLT3	snp	chr13	28609997	T	C	478.272	hom	21	1.00	NM_00411	intron_variant
FLT3	snp	chr13	28610183	A	G	5406.16	hom	188	1.00	NM_00411	splice_region_variant
FOXL2	ins	chr3	1.39E+08	GC	GCAGCCC	1283.98	hom	49	1.00	NM_02306	frameshift_variant
FOXL2	complex	chr3	1.39E+08	GGGC	GCCATGA	1216.26	hom	50	0.90	NM_02306	inframe_insertion
FOXL2	snp	chr3	1.39E+08	G	A	327.139	hom	14	1.00	NM_02306	synonymous_variant
GNA11	snp	chr19	3118991	C	T	8247.72	het	378	0.87	NM_00206	synonymous_variant
GNA11	snp	chr19	3119085	G	A	341.086	hom	17	1.00	NM_00206	intron_variant
GNAQ	snp	chr9	80409345	A	G	198.465	het	13	0.85	NM_00207	intron_variant
HRAS	snp	chr11	534242	A	G	5768.45	hom	197	1.00	NM_00534	synonymous_variant
HRAS	snp	chr11	534329	T	C	456.514	het	40	0.45	NM_00534	5_prime_UTR_variant
HRAS	snp	chr11	534337	C	T	225.667	het	40	0.28	NM_00534	5_prime_UTR_variant
HRAS	snp	chr11	534380	C	T	301.488	het	44	0.30	NM_00534	splice_region_variant
HRAS	del	chr11	534403	GCCCAGGC	GC	7470.92	hom	295	0.95	NM_00534	intron_variant
HRAS	snp	chr11	534413	A	C	199.818	het	66	0.21	NM_00534	intron_variant
HRAS	snp	chr11	534415	C	G	547.113	het	56	0.38	NM_00534	intron_variant
IDH1	del	chr2	2.09E+08	GAAAAAAAA	GAAAAAAAA	3281.43	het	573	0.25	XM_00524	intron_variant
JAK2	snp	chr9	5081894	A	G	1935.3	het	102	0.68	NM_00497	intron_variant
JAK3	snp	chr19	17945686	G	A	4439.28	het	295	0.53	XM_00525	missense_variant
JAK3	snp	chr19	17947916	TGGGTGGC	TGAGTGGC	1054.82	het	1391	0.18	XM_00525	intron_variant
JAK3	del	chr19	17954140	GCC	GC	115.038	het	326	0.12	XM_00525	intron_variant
KDR	snp	chr4	55961159	T	C	7295.51	hom	240	1.00	NM_00225	intron_variant
KDR	complex	chr4	55961185	AACCTTTA	TACATTTA	583.879	hom	24	0.88	NM_00225	intron_variant
KDR	snp	chr4	55962453	G	A	2540.97	hom	101	0.94	NM_00225	missense_variant
KDR	snp	chr4	55972974	T	A	2483.16	hom	90	0.99	NM_00225	missense_variant

KDR	snp	chr4	55979558	C	A	738.282	het	30	0.93	NM_00225	missense_var	rs23059488
KIT	snp	chr4	55595573	C	T	1552.81	het	78	0.79	XM_00526	missense_variant	
KRAS	snp	chr12	25398373	C	T	2909.86	het	164	0.66	NM_03336	intron_variant	
MAP2K1	snp	chr15	66727597	G	C	8813.38	het	489	0.58	NM_00275	intron_vari	rs16949924
MAP2K1	snp	chr15	66729141	G	A	525.385	het	36	0.72	NM_00275	missense_variant	
MDM2	snp	chr12	69218230	C	T	1803.86	het	122	0.85	NM_00239	intron_vari	rs14375884
MET	snp	chr7	1.16E+08	C	T	3139.27	het	190	0.59	XM_00525	synonymou	rs35775721
MET	snp	chr7	1.16E+08	G	T	3160.4	hom	114	0.99	XM_00525	missense_variant	
MPL	complex	chr1	43814886	GGGGCTC	CAGACTT	436.75	hom	19	1.00	NM_00537	intron_variant	
MPL	mnp	chr1	43814899	GGGT	ACCC	392.549	hom	18	1.00	NM_00537	intron_variant	
MYCN	snp	chr2	16080112	C	T	462.929	het	34	0.53	NM_00537	upstream_gene_variar	
MYCN	snp	chr2	16080157	C	G	1533.22	hom	50	1.00	NM_00537	upstream_	rs11886063
MYCN	snp	chr2	16085891	C	T	400.875	hom	17	1.00	NM_00537	missense_variant	
MYCN	snp	chr2	16089615	T	C	2332.61	hom	86	0.98	NM_00537	downstrea	rs4669018
MYCN	snp	chr2	16090003	C	T	247.024	hom	11	1.00	NM_00537	downstream_gene_vari	
NOTCH1	snp	chr9	1.39E+08	G	A	3561.82	hom	156	1.00	NM_01761	synonymou	rs2229974
NOTCH1	snp	chr9	1.39E+08	G	A	644.718	hom	23	1.00	NM_01761	synonymou	rs10521&C
NOTCH1	complex	chr9	1.39E+08	CTT	CG	961.999	hom	39	0.95	NM_01761	frameshift_variant&fe	
NOTCH1	ins	chr9	1.39E+08	GG	GACG	805.815	hom	34	0.94	NM_01761	frameshift_variant&fe	
NOTCH1	complex	chr9	1.39E+08	AGCA	TGCT	967.594	hom	40	0.95	NM_01761	missense_variant	
NOTCH1	del	chr9	1.39E+08	CGTC	CC	900.144	hom	37	0.95	NM_01761	frameshift_variant&fe	
NOTCH1	mnp	chr9	1.39E+08	CG	AA	846.401	hom	33	0.97	NM_01761	missense_variant	
NOTCH1	snp	chr9	1.39E+08	T	A	276.763	hom	12	1.00	NM_01761	intron_variant	
NPM1	del	chr5	1.71E+08	CTTTTTTT	CTTTTTTT	230.736	het	32	0.34	NM_00252	splice_region_variant&	
PDGFRA	snp	chr4	55141055	A	G	11253.9	hom	388	1.00	NM_00620	synonymou	rs18737788
PDGFRA	snp	chr4	55161254	C	T	5330.2	hom	178	1.00	NM_00620	intron_vari	rs3733540
PDGFRA	snp	chr4	55161517	A	G	2533.86	hom	85	1.00	NM_00620	3_prime_U	rs7680422
PIK3CA	del	chr3	1.79E+08	ATTTTTTT	ATTTTTTT	918.604	het	328	0.17	NM_00621	intron_variant&feature	
PIK3CA	snp	chr3	1.79E+08	C	A	741.368	hom	33	1.00	NM_00621	intron_variant	
PIK3R1	snp	chr5	67589406	C	T	470.982	hom	20	1.00	NM_18152	intron_variant	
PTEN	del	chr10	89711855	CTTTTTTT	CTTTTTTC	95.4432	het	321	0.12	NM_00031	intron_variant&feature	
PTEN	snp	chr10	89720574	C	A	1436.85	het	74	0.73	NM_00031	intron_variant	
PTEN	snp	chr10	89720581	A	T	1326.21	het	71	0.70	NM_00031	intron_variant	
PTEN	snp	chr10	89720588	T	G	1250.78	het	72	0.65	NM_00031	intron_variant	

PTEN	mp	chr10	89720593	CA	TC	1228	het	68	0.71	NM_00031	intron_variant
PTEN	del	chr10	89720633	CTTTTTTT	CTTTTTTT	421.228	het	150	0.20	NM_00031	splice_acceptor_variant
PTEN	del	chr10	89725293	CTTTTTTT	CTTTTTTT	315.93	het	311	0.13	NM_00031	3_prime_UTR_variant
PTPN11	snp	chr12	1.13E+08	G	A	1647.47	het	118	0.54	NM_00283	missense_variant
RB1	snp	chr13	48919358	T	G	3388.04	hom	126	1.00	NM_00032	intron_variant
RB1	snp	chr13	48919484	G	T	179.807	het	26	0.85	NM_00032	intron_variant
RB1	ins	chr13	48953655	CAAAAAAAAA	CAAAAAAAAA	613.51	het	116	0.30	NM_00032	intron_variant&feature
RET	snp	chr10	43613843	G	T	8277	hom	261	1.00	NM_02097	synonymous_variant
RET	complex	chr10	43615494	CATGGC	GAGGGT	231.555	hom	10	1.00	NM_02097	intron_variant
SMO	snp	chr7	1.29E+08	G	C	12860.3	hom	425	1.00	NM_00563	intron_variant
SMO	snp	chr7	1.29E+08	G	C	3281.45	hom	114	1.00	NM_00563	synonymous_variant
SRC	snp	chr20	36031596	G	C	8284.45	het	559	0.55	NM_00541	synonymous_variant
STK11	snp	chr19	1207238	G	T	4799.02	hom	169	0.99	XM_00525	intron_variant
STK11	snp	chr19	1218520	ACCG	ACCT	7744.64	het	764	0.35	XM_00525	intron_variant
STK11	complex	chr19	1219433	CCAGGGT	GGGGGGG	53.7366	het	146	0.16	XM_00525	intron_variant
STK11	ins	chr19	1219443	GCGGGGG	GCGGGGG	974.282	het	59	0.80	XM_00525	intron_variant&feature
STK11	snp	chr19	1219553	G	T	1359.01	hom	58	1.00	XM_00525	intron_variant
STK11	snp	chr19	1220321	T	C	24433.1	hom	774	0.99	XM_00525	intron_variant
STK11	snp	chr19	1222085	G	A	1972.85	hom	85	1.00	XM_00525	intron_variant
TERT	snp	chr5	1295349	A	G	61000.8	hom	1907	1.00	NM_19825	upstream_variant
TP53	complex	chr17	7579387	CTG	ATA	438.915	het	141	0.30	NM_00054	missense_variant
TP53	snp	chr17	7579387	CTG	CTA	2729.39	het	266	0.46	NM_00054	stop_gained
TP53	del	chr17	7579643	CCCCCAGC	CC	299.213	het	218	0.18	NM_00054	intron_variant&feature