

Familial Cancer CGx Panel

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9000 SW 152 Street Ste. 209
Miami • FL • 33157
Tel: 786.250.3419 • Fax: 786.250.3074
Email: info@expressgene.us

Row	Gene name	Condition	Row	Gene name	Condition	Row	Gene name	Condition
1	ABL1	Leukemia	66	FANCC	Fanconi anemia	131	POT1	Melanoma
2	ABL2	Leukemia	67	FANCD2	Fanconi anemia	132	PRF1	Leukemia
3	ABRAXAS1	Breast Cancer	68	FANCE	Fanconi anemia	133	PRKAR1A	Adrenocortical tumor
4	ACVR1B	Pancreatic	69	FANCF	Fanconi anemia	134	PRSS1	Pancreatic cancer
5	AIP	Pituitary adenoma	70	FANCG	Fanconi anemia	135	PTCH1	Basal Cell Carcinoma
6	AKT1	Breast Colorectal	71	FANCI	Fanconi anemia	136	PTCH2	Basal cell Carcinoma
7	ALK	Neuroblastoma	72	FANCL	Fanconi anemia	137	PTEN	Endometrial Cancer
8	ANKRD26	Leukemia	73	FANCM	Multiple cancer	138	PTPN11	Leukemia
9	APC	Pituitary adenoma	74	FGFR1	Leukemia	139	RAD50	Multiple cancer
10	ARMC5	Adrenal hyperplasia	75	FGFR3	Colon cancer	140	RAD51C	Breast Cancer
11	ASXL1	Leukemia	76	FGFR4	Multiple cancer	141	RAD51D	Breast Cancer
12	ATM	Breast Cancer	77	FH	Renal Carcinoma	142	RARA	Leukemia
13	ATR	Multiple cancer	78	FLCN	Colon cancer	143	RARG	Leukemia
14	AXIN2	Colon cancer	79	FLT3	Leukemia	144	RB1	Bladder Cancer
15	BAP1	Multiple cancer	80	FLT4	Breast Cancer	145	RECQL	Breast Cancer
16	BARD1	Breast Cancer	81	GALNT12	Colon cancer	146	RECQL4	Multiple cancer
17	BLM	Multiple cancer	82	GATA2	Leukemia	147	REST	Wilms tumor
18	BMPR1A	Colon cancer	83	GPC3	Renal Carcinoma	148	RET	Thyroid cancer
19	BRAF	Colon cancer	84	GREM1	Colon cancer	149	RHBDF2	Esophageal cancer
20	BRCA1	Breast Cancer	85	HNF1A	Renal Carcinoma	150	RPL5	Leukemia
21	BRCA2	Breast Cancer	86	HOXB13	Prostate cancer	151	RPS20	Colon cancer
22	BRIP1	Breast Cancer	87	HRAS	Thyroid cancer	152	RUNX1	Leukemia
23	BUB1B	Colon cancer	88	IDH1	Brain tumor	153	SAMD9L	Leukemia
24	CASR	Multiple cancer	89	JAK1	Leukemia	154	SBDS	Leukemia
25	CBFB	Leukemia	90	KIF1B	Brain tumor	155	SCG5	Colon cancer
26	CBL	Leukemia	91	KIT	Multiple cancer	156	SDHA	Ganglioma
27	CCND1	Colon cancer	92	KRAS	Multiple cancer	157	SDHAF2	Ganglioma
28	CDC73	Multiple cancer	93	LZTR1	Brain tumor	158	SDHB	Gastrointestinal Tumor
29	CDH1	Breast Cancer	94	MAP2K4	Pancreatic cancer	159	SDHC	Gastrointestinal Tumor
30	CDK4	Melanoma	95	MAX	Renal Carcinoma	160	SDHD	Gastrointestinal Tumor
31	CDKN1B	Multiple cancer	96	MC1R	Melanoma	161	SF3B1	Leukemia
32	CDKN1C	Multiple cancer	97	MEN1	Multiple cancer	162	SLC45A2	Melanoma
33	CDKN2A	Melanoma	98	MET	Renal Carcinoma	163	SLX4	Fanconi anemia
34	CEBPA	Leukemia	99	MIR142	Leukemia	164	SMAD4	Colon cancer
35	CHEK2	Breast Cancer	100	MITF	Leukemia	165	SMARCA4	Rhabdoid Tumor
36	CHIC2	Leukemia	101	MLH1	Colon cancer	166	SMARCB1	Rhabdoid Tumor
37	CPA1	Pancreatic cancer	102	MLH3	Colon cancer	167	SMARCE1	Meningioma
38	CREBBP	Leukemia	103	MPL	Leukemia	168	SMO	Skin cancer
39	CTC1	Multiple cancer	104	MRE11	Breast Cancer	169	SOS1	Fibroma
40	CTNNA1	Multiple cancer	105	MSH2	Colon cancer	170	SRC	Colon cancer
41	CTNNB1	Colon cancer	106	MSH3	Multiple cancer	171	SRP72	Leukemia
42	CYLD	Multiple cancer	107	MSH4	Colon cancer	172	STK11	Melanoma
43	DD2	Multiple cancer	108	MST1R	Multiple cancer	173	SUFU	Meningioma
44	DDX41	Leukemia	109	MUTYH	Colon cancer	174	TERC	Leukemia
45	DICER1	Multiple cancer	110	MYC	Leukemia	175	TERT	Leukemia
46	DIS3L2	Multiple cancer	111	NBN	Leukemia	176	TET2	Leukemia
47	DKC1	Multiple cancer	112	NF1	Leukemia	177	TGFBR2	Colon cancer
48	EGFR	Lung cancer	113	NF2	Brain tumor	178	TINF2	Multiple cancer
49	EGLN1	Leukemia	114	NHP2	Multiple cancer	179	TLR4	Colon cancer
50	EP300	Colon cancer	115	NOP10	Multiple cancer	180	TMEM127	Renal Carcinoma
51	EPCAM	Colon cancer	116	NPM1	Leukemia	181	TP53	Breast Cancer
52	ERBB2	Lung cancer	117	NRAS	Colon cancer	182	TRIP13	Liver cancer
53	ERCC1	Multiple cancer	118	NSD1	Leukemia	183	TSC1	Multiple cancer
54	ERCC2	Multiple cancer	119	NTHL1	Colon cancer	184	TSC2	Multiple cancer
55	ERCC3	Multiple cancer	120	PALB2	Breast Cancer	185	TYR	Melanoma
56	ERCC4	Fanconi anemia	121	PALLD	Pancreatic cancer	186	U2AF1	Leukemia
57	ERCC5	Multiple cancer	122	PBRM1	Renal Carcinoma	187	VHL	Renal Carcinoma
58	ESR1	Breast Cancer	123	PDGFRA	Gastrointestinal Tumor	188	WRAP53	Multiple cancer
59	ETV6	Leukemia	124	PDGFRB	Leukemia	189	WRN	Multiple cancer
60	EXT1	Multiple cancer	125	PHOX2B	Neuroblastoma	190	WT1	Lung cancer
61	EXT2	Multiple cancer	126	PIK3CA	Breast Cancer	191	XPA	Multiple cancer
62	EZH2	Multiple cancer	127	PMS2	Colon cancer	192	XPC	Multiple cancer
63	FAN1	Multiple cancer	128	POLD1	Colon cancer	193	XRCC2	Fanconi
64	FANCA	Fanconi anemia	129	POLE	Colon cancer			
65	FANCB	Fanconi anemia	130	POLH	Multiple cancer			