Cancer Panel

The table shows the list of 92 genes
related to cancer conditions analyzed in this test.

Bumrungrad International HOSPITAL

Gene	Gene Associated Condition
AIP	Pituitary adenoma
ALK	Neuroblastoma
APC	Familial adenomatous polyposis, Gardner syndrome, Brain tumor-polyposis syndrome, Desmoid disease, Gastric adenocarcinoma and proximal polyposis of the stomach
ATM	Ataxia-telangiectasia, Breast cancer
AXIN2	Oligodontia-colorectal cancer syndrome
BAP1	BAP1 tumor predisposition syndrome
BARD1	Breast cancer
BLM	Bloom syndrome
BMPR1A	Hereditary mixed polyposis syndrome, Juvenile polyposis syndrome
BRCA1	Fanconi anemia, Familial breast-ovarian cancer, Pancreatic cancer
BRCA2	Fanconi anemia, Wilms tumor, Familial breast-ovarian cancer, Glioblastoma, Medulloblastoma, Pancreatic cancer, Prostate cancer
BRIP1	Fanconi anemia, Breast cancer
CDC73	Hyperparathyroidism jaw tumour syndrome, Parathyroid carcinoma
CDH1	Diffuse gastric cancer, Breast cancer, Prostate cancer
CDK4	Cutaneous melanoma
CDKN1B	Multiple endocrine neoplasia
CDKN1C	Beckwith-Wiedemann syndrome
CDKN2A	Melanoma and neural system tumor syndrome, Cutaneous melanoma, Familial atypical multiple mole melanoma-pancreatic carcinoma syndrome
CEBPA	Acute myeloid Leukemia
CHEK2	Li-Fraumeni syndrome, Breast cancer, Colorectal cancer, Prostate cancer
CYLD	Brooke-Spiegler syndrome, Familial cylindromatosis, Multiple familial trichoepithelioma
DICER1	Multinodular goiters, Pleuropulmonary blastoma, Embryonal rhabdomyosarcoma
DIS3L2	Perlman syndrome
EGFR	Lung cancer
EPCAM	Hereditary nonpolyposis colorectal cancer (Lynch syndrome)
EXT1	Chondrosarcoma, Hereditary multiple osteochondromas
EXT2	Hereditary multiple osteochondromas
FANCA	Fanconi anemia
FANCC	Fanconi anemia
FH	Hereditary leiomyomatosis and renal cell cancer
FLCN	Birt-Hogg-Dube syndrome
GALNT12	Colorectal cancer
GATA2	Acute myeloid leukemia, Myelodysplastic syndrome
GPC3	Simpson-Golabi-Behmel syndrome
GREM1	Hereditary mixed polyposis syndrome
HOXB13	Prostate cancer
HRAS	Costello syndrome
KIT	Gastrointestinal stromal tumor, Cutaneous mastocytosis, Piebaldism
LZTR1	Schwannomatosis
MAX	Pheochromocytoma
MEN1	Multiple endocrine neoplasia
MET	Papillary Renal Cell Carcinoma, Osteofibrous dysplasia
MITF	Cutaneous melanoma
MLH1	Hereditary nonpolyposis colorectal cancer (Lynch syndrome), Mismatch repair cancer syndrome, Muir-Torre syndrome
MLH3	Hereditary nonpolyposis colorectal cancer (Lynch syndrome), Endometrial cancer
MRE11	Ataxia-telangiectasia
MSH2	Hereditary nonpolyposis colorectal cancer (Lynch syndrome), Mismatch repair cancer syndrome, Muir-Torre syndrome
MSH3	Familial adenomatous polyposis
MSH6	Hereditary nonpolyposis colorectal cancer (Lynch syndrome), Mismatch repair cancer syndrome, Endometrial cancers
MUTYH	Familial adenomatous polyposis
NBN	Aplastic anemia, Acute lymphoblastic leukemia, Nijmegen breakage syndrome
NF1	Juvenile myelomonocytic leukemia, Familial spinal neurofibromatosis sacroma, Neurofibromatosis
NF2	Neurofibromatosis
NTHL1	Familial adenomatous polyposis
PALB2	Fanconi anemia, Breast cancer, Pancreatic cancer
PDGFRA	GIST-plus syndrome
PHOX2B	Neuroblastoma
PMS2	Hereditary nonpolyposis colorectal cancer (Lynch syndrome), Mismatch repair cancer syndrome
POLD1	Colorectal cancer
POLE	Colorectal cancer
POT1	Glioma, Cutaneous melanoma
PRKAR1A	Carney complex
PTCH1	Basal cell nevus syndrome
PTEN	Cowden syndrome, Glioma, Meningioma
RAD51C	Fanconi anemia, Familial breast-ovarian cancer
RAD51D	Familial breast-ovarian cancer
RB1	Retinoblastoma
RECQL4	Baller-Gerold syndrome, RAPADILINO syndrome, Rothmund-Thomson syndrome
RET	Medullary thyroid carcinoma, Multiple endocrine neoplasia, Pheochromocytoma
RNF43	Sessile serrated polyposis cancer syndrome
RUNX1	Acute myeloid Leukemia, Familial platelet disorder with associated myeloid malignancy
SDHA	Paragangliomas
SDHAF2	Paragangliomas
SDHB	Gastrointestinal stromal tumor, Paraganglioma and gastric stromal sarcoma, Paragangliomas, Pheochromocytoma
SDHC	Gastrointestinal stromal tumor, Paraganglioma and gastric stromal sarcoma, Paragangliomas
SDHD	Paraganglioma and gastric stromal sarcoma, Pheochromocytoma
SMAD4	Juvenile polyposis/hereditary hemorrhagic telangiectasia syndrome, Myhre syndrome, Juvenile polyposis syndrome
SMARCA4	Rhabdoid tumor predisposition syndrome
SMARCB1	Rhabdoid tumor predisposition syndrome, Schwannomatosis
SMARCE1	Meningioma
STK11	Peutz-Jeghers syndrome
SUFU	Basal cell nevus syndrome, Medulloblastoma, Meningioma
TERC	Dyskeratosis congenita, Telomere-related pulmonary fibrosis and/or bone marrow failure
TERT	Dyskeratosis congenita, Telomere-related pulmonary fibrosis and/or bone marrow failure, Acute myeloid leukemia, Cutaneous melanoma
TMEM127	Pheochromocytoma
TP53	Adrenocortical carcinoma, Basal cell carcinoma, Li-Fraumeni syndrome, Choroid plexus papilloma, Colorectal cancer, Glioma
TSC1	Tuberous sclerosis
TSC2	Tuberous sclerosis
VHL	Pheochromocytoma, von Hippel-Lindau syndrome
WRN	Werner syndrome
WT1	Wilms tumor
XRCC2	Fanconi anemia