

Gene List  
HTG EdgeSeq  
Precision Immuno-Oncology Panel



A2M	ATM	CAV1	CD244	CDKN3	CSF1	DNAH14	FAM69B	GDF15	HMMR	IL10RA	IL6ST
AADAT	ATOH1	CBLB	CD247	CDT1	CSF1R	DNMT1	FAM72_family	GGT7	HMOX1	IL10RB	IL7
ABCB1	ATP5F1	CCDC138	CD27	CEACAM1	CSF2	DOCK9	FAM83B	GIN54	HMX2	IL11	IL7R
ABCB11	ATXN1	CCL1	CD274	CEACAM5	CSF2RA	DONSON	FANCA	GLB1L2	HNF1A	IL11RA	IL9
ABCC2	AUNIP	CCL11	CD276	CEACAM6	CSF2RB	DPP4	FANCD2	GLIPR1	HNF1B	IL12A	IL9R
ABCC6	AURKA	CCL13	CD28	CEACAM8	CSF3	DPYSL4	FANCI	GNLY	HORMAD1	IL12B	IMP62
ABCF1	AURKB	CCL14	CD33	CEBPB	CSF3R	DSC3	FAP	GPI	HORMAD2	IL12RB1	INSM1
ABCG2	AXIN1	CCL15	CD34	CENPA	CSK	DSE	FAS	GPR18	HPDL	IL12RB2	IQGAP3
ABHD1	AXIN2	CCL16	CD37	CENPE	CT45_family	DSG3	FASLG	GPR19	HPN	IL13	IRAK1
ABL1	AXL	CCL17	CD38	CENPF	CT47_family	DST	FBLN1	GPRIN1	HRAS	IL13RA1	IRAK2
ABL2	B3GAT1	CCL18	CD3D	CENPH	CTAG1A_1B	DTL	FCAR	GRAP2	HSD11B1	IL13RA2	IRAK3
ACKR3	BAGE	CCL19	CD3E	CENPI	CTAG2	DUSP4	FCER1G	GSDME	HSP90B1	IL15	IRAK4
ACP6	BAGE_family	CCL2	CD3G	CENPL	CTBP1	DUSP6	FCER2	GTF3C1	HSPA1A	IL15RA	IRF1
ACTG2	BAGE2_BAGE3	CCL20	CD4	CENPU	CTLA4	E2F2	FCGR1A_FCGR1B	GTSE1	IBSP	IL16	IRF2
ACTR3B	BAGE4_BAGE5	CCL21	CD40	CENPW	CTNNA1	E2F7	FCGR2A_2C	GUSB	ICAM1	IL17A	IRF3
ADA	BATF	CCL22	CD40LG	CEP250	CTRC	EBF4	FCGR2B	GZMA	ICAM2	IL17B	IRF4
ADAM17	BATF2	CCL23	CD44	CEP55	CTSG	EBI3	FCGR3A_3B	GZMB	ICAM3	IL17C	IRF5
ADCY1	BAX	CCL24	CD47	CES1	CTSH	ECT2	FCMR	GZMH	ICAM4	IL17D	IRF7
ADD2	BCL10	CCL25	CD48	CGREF1	CTSL	EEF1G	FCRL2	GZMK	ICOS	IL17F	IRF8
ADGRE5	BCL2	CCL26	CD5	CHDH	CTSS	EEF2	FCRLA	GZMM	ICOSLG	IL17RA	IRF9
ADORA2A	BCL2L1	CCL27	CD52	CHGA	CX3CL1	EFNA4_EFNB3	FEN1	H2AFZ	ID2	IL17RB	IRGM
ADORA2B	BCL2L11	CCL28	CD53	CHIT1	CX3CR1	EGFR	FEZ1	HASPIN	ID3	IL18	IRS1
ADRB2	BCL6	CCL3	CD55	CHMP4B	CXCL1	EGR1	FGD6	HAVCR2	ID4	IL18BP	ISG15
AGER	BEX1	CCL4	CD58	CHRM2	CXCL10	EGR2	FGFR3	HCAR1	IDH1	IL18R1	ISG20
AHR	BEX2	CCL5	CD59	CHRM3	CXCL11	EGR3	FICD	HCAR2	IDH2	IL19	ITGA1
AICDA	BID	CCL7	CD5L	CHST10	CXCL12	EHD2	FLI1	HDC	IDO1	IL1A	ITGA2
AIF1	BIRC5	CCL8	CD6	CHUK	CXCL13	EIF2A	FLT1	HELLS	IDO2	IL1B	ITGA3
AKT1	BLK	CCNA2	CD63	CITA	CXCL14	EIF2AK2	FLT3	HERC6	IFI16	IL1R1	ITGA4
AKT3	BLNK	CCNB1	CD68	CIP2A	CXCL16	ELK1	FLT3LG	HES1	IFI27	IL1R2	ITGA5
ALCAM	BM11	CCNB2	CD69	CKAP2	CXCL2	ELL3	FLVCR1	HES5	IFI35	IL1RAP	ITGA6
ALOX15B	BMP6	CCND1	CD7	CKAP2L	CXCL3	EME1	FM05	HEXIM2	IFI44L	IL1RL1	ITGAE
ALOX5	BMP7	CCND3	CD70	CKLF	CXCL5	EMP1	FN1	HEY1	IFI6	IL1RL2	ITGAL
ANAPC1	BNC1	CCNE1	CD72	CLCA2	CXCL6	EMX2	FOLH1	HEY2	IFIH1	IL1RN	ITGAM
ANKRD30A	BORA	CCNE2	CD74	CLDN3	CXCL8	ENG	F0S	HEYL	IFIT1	IL2	ITGAX
ANLN	BRCA1	CCNF	CD79A	CLEC12A	CXCL9	ENO1	FOXA1	HGF	IFIT2	IL20	ITGB1
ANP32B	BRCA2	CCR1	CD79B	CLEC2B	CXCR1	ENTPD1	FOXG1	HHLA2	IFIT3	IL20RA	ITGB2
ANPEP	BRIP1 BRMS1L	CCR10	CD80	CLEC4A	CXCR2	EOMES	FOXJ1	HIF1A	IFIT5	IL20RB	ITGB3
ANXA1	BST2	CCR2	CD83	CLEC4C	CXCR3	EP300	FOXO1	HIST1H2BH	IFITM1	IL21	ITGB4
APAF1	BTK	CCR3	CD84	CLEC5A	CXCR4	EPCAM	FOXO1	HJURP	IFITM2	IL21R	ITGB7
APC2	BTLA	CCR4	CD86	CLEC6A	CXCR5	EPHX3	FOXP1	HK1	IFITM3	IL22	ITK
APOE	BUB1	CCR5	CD8A	CLEC7A	CXCR6	EPST11	FOXO3	HK2	IFNA_family	IL22RA1	ITLN2
APP	BUB1B	CCR6	CD8B	CLEC9A	CYBB	ERBB2	FOXRED2	HLA-A	IFNAR1	IL22RA2	ITPKC
ARG1	C11orf71	CCR7	CD96	CLSPN	CYLD	ERBB3	FPR1	HLA-B	IFNAR2	IL23A	JAK1
ARG2	C17orf80	CCR8	CD99	CMA1	CYP27A1	ERCC6L	FPR2	HLA-C	IFNB1	IL23R	JAK2
ARHGAP11A	C19orf66	CCR9	CD100	CMKLR1	DAPK2	ESCO2	FRYL	HLA-DMA	IFNG	IL24	JAK3
ARHGAP11B	C1orf56	CCR2	CD105	CNNM1	DAPL1	ESPL1	FUT4	HLA-DMB	IFNGR1	IL25	JAKMIP3
ARHGAP11C	C10A	CCR5	CD108	CNTLN	DBF4	ESYT2	FUT5	HLA-DOA	IFNL1	IL26	JAML
ARHGAP11D	C10B	CCR6	CD109	COCH	DCLRE1A	ETS1	FXYD5	HLA-DOB	IFNL2	IL27	JCHAIN
ARHGAP11E	C10C	CCR7	CD110	COL1A1	DCN	ETS2	FYB1	HLA-DPA1	IFNL3	IL2RA	KCNA1
ARHGAP11F	C10D	CCR8	CD111	COL1A2	DDIAS	ETV1	FYN	HLA-DPB1	IFNL4	IL2RB	KCNH2
ARHGAP11G	C10E	CCR9	CD112	COL3A1	DDX5	ETV4	FZD3	HLA-DQA1	IFNLR1	IL2RG	KCNK5
ARHGAP11H	C10F	CCR10	CD113	CORO1A	DDX58	EWSR1	G6PD	HLA-DQA2	IGF1R	IL3	KDM5B
ARHGAP11I	C10G	CCR11	CD114	CPA3	DEFB1	EXO1	GABRA5	HLA-DQB1	IGF2R	IL31	KDR
ARHGAP11J	C10H	CCR12	CD115	CPE	DEPDC1	EYS	GAD1	HLA-DQB2	IGFBP3	IL32	KHDRBS2
ARHGAP11K	C10I	CCR13	CD116	CR1	DGAT2	EZH2	GADD45GIP1	HLA-DRA	IGSF6	IL33	KHK
ARHGAP11L	C10J	CCR14	CD117	CR2	DGKA	F13A1	GAGE_family	HLA-DRB1	IHH	IL34	KIF14
ARHGAP11M	C10K	CCR15	CD118	CREB1	DHX40	F2RL1	GATA2	HLA-E	IKBKB	IL3RA	KIF15
ARHGAP11N	C10L	CCR16	CD119	CREB5	DIAPH3	FABP4	GATA3	HLA-F	IKBK	IL4	KIF18B
ARHGAP11O	C10M	CCR17	CD120	CREBBP	DLAT	FADD	GBP1	HLA-G	IKZF1	IL4R	KIF20A
ARHGAP11P	C10N	CCR18	CD121	CRISPLD1	DLD	FAM111B	GBP5	HLF	IKZF2	IL5	KIF23
ARHGAP11Q	C10O	CCR19	CD122	CRMP1	DLGAP5	FAM122B	GCK_liver_T2	HMBS	IKZF3	IL5RA	KIF2C
ARHGAP11R	C10P	CCR20	CD123	CRP	DLX6	FAM161A	GCK_Pan_T2	HMGB1	IKZF4	IL6	KIF4A
ARHGAP11S	C10Q	CCR21	CD124	CRTAM	DMBT1	FAM222A	GCK	HMGCS2	IL10	IL6R	KIF5C

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Continued

KIFC1	LIF	MAPKAPK2	MYO1B	OCN	PLK1	PXYLP1	SCG3	SPANX3	TCL1B	TNFRSF19	ULBP1
KIR2DL1	LILRA4	MARCO	MYO5C	OIP5	PLK4	PYCARD	SDHA	SPANX4	TDO2	TNFRSF1A	UNC5D
KIR2DL1_2DL2	LILRB1	MBL2	MYOCD	OLR1	PMCH	PYCR1	SELE	SPANX5	TEDC2	TNFRSF1B	UPK2
KIR2DL3	LILRB2	MCM10	MYOF	OPTN	PMEL	PYGL	SELL	SPC24	TEK	TNFRSF21	UPK3A
KIR2DL4	LIMA1	MCM2	NCAM1	ORC1	PML	RAC1	SEPLG	SPC25	TESC	TNFRSF25	USP9Y
KIR2DL5A_5B	LIPE	MCM6	NCAPG	ORC6	PNOC	RACGAP1	SEMA4D	SPDL1	TEX14	TNFRSF4	VAV1
KIR2DS2_2DS4	LMNA	MCM7	NCAPG2	OSM	POC1A	RAD51	SERINC2	SPI1	TFF1	TNFRSF8	VCAM1
KIR2DS4	LMNB1	MECOM	NCAPH	PAGE1	PODXL2	RAD51AP1	SERPINA1	SPIB	TFRC	TNFRSF9	VEGFA
KIR2DSx	LOXL1	MEF2C	NCF1	PAGE2_PAGES	POLQ	RAD54L	SERPINB2	SPIN4	TGFB1	TNFSF10	VEGFC
KIR3DL1	LOXL2	MELK	NCK1	PAGE3	POLR2A	RAG1	SERPINB5	SPINK1	TGFB2	TNFSF11	VSIR
KIR3DL2	LRBA	MERTK	NCL	PAGE4	POU2AF1	RB1	SERPINB7	SPINK5	TGFB1	TNFSF12	VSNL1
KIR3DL3	LRG1	MGA	NCR1	PAGE5	POU2F2	RBM24	SERPINE1	SPN	TGFBR1	TNFSF13	VTCN1
KIR3DS1	LRP1	MICA	NCR3	PATZ1	POU5F1	RBX1	SGO1	SPOP	TGFBR2	TNFSF13B	VWDE
KIR-panL	LST1	MICB	NCR3LG1	PAX5	PPARD	RD1	SGO2	SPP1	TGIF2	TNFSF14	VWF
KIR-panS	LTA	MIF	NDC1	PBK	PPARG	REL	SH2D1A	SPTLC3	THAP11	TNFSF15	WARS
KIT	LTB	MKI67	NDC80	PBX1	PPBP	RELA	SH2D1B	SRGN	THBD	TNFSF18	WASHC4
KLF2	LTB4R	MLANA	NECTIN2	PCLAF	PIIA	RELB	SHCBP1	SSX1	THBS1	TNFSF4	WDHD1
KLHC9	LTBP1	MLF1	NEFL	PCNA	PPM1E	REPS1	SIGIRR	SSX2	THY1	TNFSF8	WDR60
KLRB1	LTBR	MME	NEIL3	PDCD1	PRAME	REV3L	SIGLEC5	ST6GAL1	TICAM1	TNFSF9	WDR76
KLRD1	LTK	MMP11	NEK2	PDCD1LG2	PRC1	RFC4	SIT1	STAT1	TICAM2	TOLLIP	WNK2
KLRF1	LY86	MMP12	NFATC1	PDGFC	PRDM1	RGS20	SKA1	STAT2	TIGIT	TOP2A	WNT5A
KLRG1	LY9	MMP2	NFATC3	PDGFRB	PRDM6	RHOG	SKA3	STAT3	TIMP1	TP53	WNT7B
KLRK1	LY96	MMP9	NFATC4	PDHA1	PRF1	RIC8A	SKAP2	STAT4	TIRAP	TP63	XAF1
KNL1	LYN	MND1	NFKB1	PDHA2	PRG2	RIPK2	SKP2	STAT5A	TK1	TPSAB1	XAGE1B_1E
KPNA2	LYVE1	MNDA	NFKB2	PDHB	PRKCD	RM12	SLAMF1	STAT5B	TLDC1	TPX2	XAGE2
KREMEN1	LYZ	MOB3A	NFKBIA	PDHX	PRKCE	RNASEH2A	SLAMF6	STAT6	TLR1	TRABD2A	XAGE3
KRT13	M6PR	MPO	NGFR	PDK1	PRR11	RND2	SLAMF7	STIL	TLR10	TRAF2	XAGE5
KRT16	MAB21L2	MPPED1	NKG7	PDK2	PRR15L	RNF149	SLAMF8	STK32A	TLR2	TRAF3	XCL1
KRT17	MAD2L1	MR1	NKX2-1	PDK3	PSEN1	RNF4	SLC11A1	STOX2	TLR3	TRAF6	XCL1_XCL2
KRT18	MADCAM1	MRAP2	NLRCS	PDK4	PSEN2	RNFT2	SLC25A3	SUSD3	TLR4	TRAP1	XCR1
KRT19	MAF	MRC1	NLRP3	PDLIM1	PSMB10	ROR2	SLC25A5-AS1	SUZ12	TLR5	TRAT1	YWHAZ
KRT34	MAGEA1	MS4A1	NMRAL1	PDLIM3	PSMB5	RORC	SLC27A2	SV2A	TLR6	TREM1	ZAP70
KRT5	MAGEA10	MS4A2	NOD1	PDP1	PSMB6	RPL38	SLC2A1	SVIL	TLR7	TREM2	ZBTB46
KRT6A	MAGEA12	MS4A4A	NOD2	PECAM1	PSMB7	RPL6	SLC31A2	SYCP1	TLR8	TRIM21	ZEB1
KRT7	MAGEA3_A6	MSH2	NOS2	PF4	PSMB8	RPS19	SLC35B1	SYK	TLR9	TRIM22	ZIC5
KRT8	MAGEA4	MSH3	NOS3	PFKFB3	PSMB9	RPS6	SLFN11	SYT17	TMBIM1	TRIM29	ZNF14
KRTCAP3	MAGEB2	MSH4	NOTCH1	PFKFB4	PSMD7	RPS7	SMAD2	SYT4	TMEM173	TRIM59	ZNF205
KSR2	MAGEC1	MSH5	NOTCH3	PGF	PSRC1	RPSA	SMAD3	TAB1	TMEM246	TRIP13	ZNF74
L1CAM	MAGEC2	MSH6	NOX1	PHF10	PTEN	RRAD	SMAD7	TACC3	TMPO	TROAP	ZWILCH
LAG3	MAP2K1	MSR1	NPM1	PIF1	PTGDR2	RRAS2	SMPD3	TACSTD2	TNF	TSG101	ZYX
LAIR2	MAP2K2	MST1R	NPR3	PIK3CA	PTGER1	RRM1	SMPDL3B	TAGAP	TNFAIP3	TTK	
LAMC3	MAP2K4	MT2A	NRL	PIK3CD	PTGER2	RRM2	SNAI1	TAGLN	TNFAIP8	TUBB	
LAMP1	MAP2K6	MTDH	NRP1	PIK3CG	PTGER3	RTN1	SNAI2	TAGLN3	TNFRSF10A	TWIST1	
LAMP3	MAP2K7	MTFR2	NT5E	PIMREG	PTGER4	RUNX1	SOCS1	TAL1	TNFRSF10B	TWIST2	
LAPTM5	MAP3K1	MTOR	NTN3	PKLR	PTGS1	RUNX3	SOCS3	TAP1	TNFRSF10C	TXLNA	
LAT	MAP3K5	MUC1	NTRK2	PKM	PTGS2	S100A12	SOCS5	TAP2	TNFRSF10D	TXNIP	
LCK	MAP3K7	MX1	NUDT1	PKMYT1	PTK7	S100A8	SOD1	TAPBP	TNFRSF11A	TYK2	
LCN2	MAP4	MXD3	NUF2	PKP1	PTPN11	S100A9	SOX2	TARP	TNFRSF11B	TYMS	
LCP1	MAP4K1	MYBL2	NUP107	PLA2G6	PTPN6	S100B	SOX9	TBK1	TNFRSF12A	TYROBP	
LEXM	MAPK1	MYC	NUSAP1	PLA2G7	PTPN7	SALL2	SP100	TBX21	TNFRSF13B	UBA6	
LGALS1	MAPK11	MYD88	OAS1	PLAU	PTPRC	SAMD12	SP110	TCF12	TNFRSF13C	UBE2C	
LGALS3	MAPK14	MYH10	OAS2	PLAUR	PTPRCAP	SAMD9	SPANXACD	TCF19	TNFRSF14	UBE2T	
LGALS9	MAPK3	MYH11	OAS3	PLEKHG4	PVR	SAMH01	SPANXB1	TCF7	TNFRSF17	UBE3A	
LGSN	MAPK8	MYH9	OAZ1	PLEKHG6	PVT1	SCAMP5	SPANXN1	TCL1A	TNFRSF18	UHRF1	



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