

PANoptosis gene set

Type	Gene
Necroptosis	RIPK3
Necroptosis	MLKL
Necroptosis	FAS
Necroptosis	FASLG
Necroptosis	TLR3
Necroptosis	TNF
Necroptosis	RIPK1
Necroptosis	FADD
Pyroptosis	BAK1
Pyroptosis	TP63
Pyroptosis	CHMP2B
Pyroptosis	BAX
Pyroptosis	GZMB
Pyroptosis	CHMP4B
Pyroptosis	GSDMD
Pyroptosis	GSDME
Pyroptosis	IL1A
Pyroptosis	CHMP3
Pyroptosis	IRF1
Pyroptosis	IL1B
Pyroptosis	CHMP2A
Pyroptosis	CASP1
Pyroptosis	CASP5
Pyroptosis	TP53
Pyroptosis	CHMP7
Pyroptosis	IL18
Pyroptosis	CASP3
Pyroptosis	CHMP4C
Pyroptosis	IRF2
Pyroptosis	CYCS
Pyroptosis	CHMP6
Pyroptosis	HMGB1
Pyroptosis	CASP4
Pyroptosis	ELANE
Pyroptosis	CHMP4A
Apoptosis	DBNL
Apoptosis	TRAF2
Apoptosis	PSMA2
Apoptosis	TLR4
Apoptosis	ACIN1
Apoptosis	STK24
Apoptosis	PSMA4
Apoptosis	MTOR
Apoptosis	H1-3
Apoptosis	ROCK1
Apoptosis	ITGA5
Apoptosis	PRKAR1B
Apoptosis	DFFB
Apoptosis	BID
Apoptosis	IRAK1
Apoptosis	AIFM1
Apoptosis	CRYBA1

Apoptosis	DYNLL2
Apoptosis	PSMD1
Apoptosis	PSMD9
Apoptosis	PRKAR2B
Apoptosis	NTRK1
Apoptosis	CLSPN
Apoptosis	YWHAH
Apoptosis	APIP
Apoptosis	H1-5
Apoptosis	BMF
Apoptosis	STK11
Apoptosis	TICAM1
Apoptosis	CHP1
Apoptosis	PSMC5
Apoptosis	EXOG
Apoptosis	C1QBP
Apoptosis	DFFA
Apoptosis	UBB
Apoptosis	IKBKG
Apoptosis	TFDP2
Apoptosis	GSN
Apoptosis	MYD88
Apoptosis	FNTA
Apoptosis	PKP1
Apoptosis	PPP1R13B
Apoptosis	YWHAG
Apoptosis	CASP9
Apoptosis	MAP3K7
Apoptosis	CEACAM6
Apoptosis	DSP
Apoptosis	UNC5B
Apoptosis	LMNB1
Apoptosis	ITGB1
Apoptosis	CASP6
Apoptosis	BBC3
Apoptosis	TLE1
Apoptosis	UNC5A
Apoptosis	NGF
Apoptosis	CHP2
Apoptosis	PSMC4
Apoptosis	PSMB2
Apoptosis	PRKCQ
Apoptosis	VIM
Apoptosis	PPP3CB
Apoptosis	PSMD13
Apoptosis	PSMD8
Apoptosis	PRKAR1A
Apoptosis	BCL2L11
Apoptosis	PSMA3
Apoptosis	IRAK2
Apoptosis	CFLAR
Apoptosis	PSMA1
Apoptosis	AKT1
Apoptosis	NTRK2

Apoptosis	STK26
Apoptosis	PIK3R1
Apoptosis	CHUK
Apoptosis	PIK3R5
Apoptosis	TNFRSF1A
Apoptosis	PTRH2
Apoptosis	STAT3
Apoptosis	MAPK1
Apoptosis	PSMB11
Apoptosis	PRKACA
Apoptosis	PSMB7
Apoptosis	XIAP
Apoptosis	APAF1
Apoptosis	NMT1
Apoptosis	TJP2
Apoptosis	H1-0
Apoptosis	PRKX
Apoptosis	PPP3R1
Apoptosis	OCLN
Apoptosis	SEM1
Apoptosis	PPP3CA
Apoptosis	PSMD7
Apoptosis	PIK3CG
Apoptosis	IRAK3
Apoptosis	CTNNB1
Apoptosis	AKT2
Apoptosis	NFKB1
Apoptosis	PPP3R2
Apoptosis	IKKBK
Apoptosis	PRKAR2A
Apoptosis	TFDP1
Apoptosis	PSMC2
Apoptosis	BAD
Apoptosis	UACA
Apoptosis	BRMS1
Apoptosis	PSMC3
Apoptosis	CAPN2
Apoptosis	IL3RA
Apoptosis	PIK3CA
Apoptosis	BMX
Apoptosis	CASP10
Apoptosis	ANKRD13C
Apoptosis	ADD1
Apoptosis	PSMD2
Apoptosis	PSMA8
Apoptosis	PSMD12
Apoptosis	ATM
Apoptosis	YWHAE
Apoptosis	DAPK3
Apoptosis	PSMB3
Apoptosis	DAPK2
Apoptosis	DNM1L
Apoptosis	CEACAM5
Apoptosis	PSMB1

Apoptosis	CDH1
Apoptosis	NFKBIA
Apoptosis	PTK2
Apoptosis	PSMA6
Apoptosis	TNFSF10
Apoptosis	H1-1
Apoptosis	YWHAQ
Apoptosis	DCC
Apoptosis	DIABLO
Apoptosis	SFN
Apoptosis	TICAM2
Apoptosis	BCL2
Apoptosis	IL1RAP
Apoptosis	TNFRSF10A
Apoptosis	PSMB6
Apoptosis	LMNA
Apoptosis	TJP1
Apoptosis	CASP7
Apoptosis	MAP3K14
Apoptosis	KPNB1
Apoptosis	PRKACB
Apoptosis	TNFRSF10C
Apoptosis	PSMD6
Apoptosis	PSMD3
Apoptosis	PIK3CB
Apoptosis	DSG1
Apoptosis	ENDOD1
Apoptosis	PSME3
Apoptosis	APC
Apoptosis	AVEN
Apoptosis	DYNLL1
Apoptosis	CARD8
Apoptosis	PSMB8
Apoptosis	PSMD11
Apoptosis	PIK3CD
Apoptosis	PSME2
Apoptosis	CDKN2A
Apoptosis	IL3
Apoptosis	MAPK8
Apoptosis	UBA52
Apoptosis	MAGED1
Apoptosis	BCAP31
Apoptosis	RPS27A
Apoptosis	CAV1
Apoptosis	BCL2L1
Apoptosis	IRAK4
Apoptosis	BIRC2
Apoptosis	CAPN1
Apoptosis	E2F1
Apoptosis	PIK3R2
Apoptosis	MAPK3
Apoptosis	OMA1
Apoptosis	SEPTIN4
Apoptosis	PSMA7

Apoptosis	CASP8
Apoptosis	ARHGAP10
Apoptosis	TSC2
Apoptosis	PSMB10
Apoptosis	SNAI2
Apoptosis	ENDOG
Apoptosis	PSMB4
Apoptosis	PLEC
Apoptosis	PMAIP1
Apoptosis	SPTAN1
Apoptosis	APPL1
Apoptosis	PSMB5
Apoptosis	PSMD10
Apoptosis	NOTCH1
Apoptosis	DSG2
Apoptosis	LY96
Apoptosis	AKT3
Apoptosis	DAPK1
Apoptosis	SIK1
Apoptosis	IL1R1
Apoptosis	CHEK2
Apoptosis	TNFRSF10B
Apoptosis	PK4
Apoptosis	MCL1
Apoptosis	PSMA5
Apoptosis	MYBBP1A
Apoptosis	KPNA1
Apoptosis	RELA
Apoptosis	TNFRSF10D
Apoptosis	PSMC1
Apoptosis	TP73
Apoptosis	PRKCD
Apoptosis	PRKACG
Apoptosis	TLE5
Apoptosis	MAPT
Apoptosis	PSME4
Apoptosis	HMGB2
Apoptosis	SATB1
Apoptosis	TP53BP2
Apoptosis	PAK2
Apoptosis	H1-4
Apoptosis	CSF2RB
Apoptosis	PSMD4
Apoptosis	GAS2
Apoptosis	PSME1
Apoptosis	PSMD14
Apoptosis	TRADD
Apoptosis	SRC
Apoptosis	PSMC6
Apoptosis	H1-2
Apoptosis	DSG3
Apoptosis	PSMD5
Apoptosis	UBC
Apoptosis	PSMB9

Apoptosis	PPP3CC
Apoptosis	PSMF1
Apoptosis	ZNF304
Apoptosis	YWHAB
Apoptosis	PIK3R3
Apoptosis	BIRC3
Apoptosis	YWHAZ
Apoptosis	CD14
Apoptosis	OPA1