

Table S1. List of 84 genes analyzed using the PCR Array RT² Profiler – Human Cell Death Pathway Finder.

Pathway	Genes
Apoptosis	ABL1, APAF1, ATP6V1G2, BAX, BCL2L11, BIRC2 (c-IAP2), CASP1 (ICE), CASP3, CASP6, CASP7, CASP9, CD40 (TNFRSF5), CD40LG (TNFSF5), CFLAR (CASPER), CYLD, DFFA, FAS (TNFRSF6), FASLG (TNFSF6), GADD45A, NOL3, SPATA2, SYCP2, TNF, TNFRSF1A, TNFRSF10A (TRAIL-R), TP53, AKT1, BCL2, BCL2A1 (Bfl-1/A1), BCL2L1 (BCL-X), BIRC3 (c-IAP1), CASP2, IGF1R, MCL1, TNFRSF11B, TRAF2, XIAP.
Autophagy	AKT1, APP, ATG12, ATG16L1, ATG3, ATG5, ATG7, BAX, BCL2, BCL2L1 (BCL-X), BECN1, CASP3, CTSS, CTSS, ESR1 (ERa), FAS (TNFRSF6), GAA, HTT, IFNG, IGF1, INS, IRGM, MAP1LC3A, MAPK8 (JNK1), NFKB1, PIK3C3 (VPS34), RPS6KB1, SNCA, SQSTM1, TNF, TP53, ULK1
Necrosis	ATP6V1G2, BMF, C1orf159, CCDC103, COMMD4, CYLD, DEFB1, DENND4A, DPYSL4, EIF5B, FOXI1, GALNT5, GRB2, HSPBAP1, JPH3, KCNIP1, MAG, OR10J3, PARP1 (ADPRT1), PARP2, PVR, RAB25, S100A7A, SPATA2, SYCP2, TMEM57, TNFRSF1A, TXNL4B.

Source: Qiagen, Frederick, MD, EUA.

Table S2. shRNA sequences used for CHOP knockdown in K562 cells.

Lentiviral vector	Sequence
TRCN0000007263	CCGGGCCAATGATGTGACCCTCAATCTCGAGATTGAGGGTCACATCATTGGCTTTTT
TRCN0000364328	CCGGCTGCACCAAGCATGAACAATTCTCGAGAATTGTTTCATGCTTGGTGCAGTTTTTG
TRCN0000364393	CCGGTGAACGGCTCAAGCAGGAAATCTCGAGATTTCCTGCTTGAGCCGTTCATTTTTG