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Product datasheet for KN206379LP

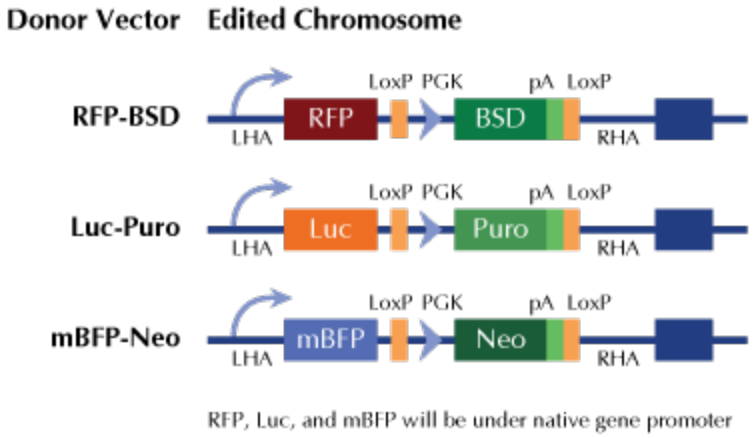
Caspase 10 (CASP10) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Caspase 10
Locus ID:	843
Components:	**KN206379G1**, Caspase 10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN206379G2**, Caspase 10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN206379LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	NM_001206524, NM_001206542, NM_001230, NM_001306083, NM_032974, NM_032976, NM_032977
UniProt ID:	Q92851
Synonyms:	ALPS2; FLICE2; MCH4
Summary:	This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]

View online »

Product images:



RFP, Luc, and mBFP will be under native gene promoter