

Product datasheet for **KN206379RB**

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

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD

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)
KN206379RBD, donor DNA containing left and right homologous arms and RFP-BSD 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]



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Product images:

