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Product datasheet for TP720939XL

Caspase 10 (CASP10) (NM_032977) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 1
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Val220-Ile480
Tag:	C-His
Predicted MW:	30.1 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_116759
Locus ID:	843
UniProt ID:	Q92851, A0A0S2Z3Z5, Q92851-4
RefSeq Size:	5906
Cytogenetics:	2q33.1
RefSeq ORF:	1566
Synonyms:	ALPS2; FLICE-2; FLICE2; MCH4

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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]

Protein Families: Druggable Genome, Protease

Protein Pathways: Apoptosis, RIG-I-like receptor signaling pathway