

Recombinant Full Length Human CASP10 Protein, GST-tagged

Cat. No. CASP10-2924HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CASP10 full-length ORF (NP_001221.2, 1 a.a. - 479 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	479 amino acids
Description	<p>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]</p>
Molecular Mass	81 kDa
AA Sequence	<p>MKSQGQHWYSSSDKNCKVSFREKLLIIDSNLGVQDVENLKFCLCIGLVPNKKLEKSSS ASDVFEHLLAEDLLSEEDPFFLAELLYIIRQKLLQHLNCTKEEVERLLPTRQRVSLFR NLLYELSEGIDSENKDMIFLLKDSLPKTEMTSLSFLAFLEKQKGKIDEDNLTCLDLCK</p>

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TVVPKLLRNIKEYKREKAIQIVTPPVDKEAESYQGEEELVSQTDVKTFLFLEALPRAAVY
 RMNRNHRGLCVIVNNHSFTSLKDRQGTHKDAEILSHVFQWLGFVTHIHNNVTKVEM
 EMVLQKQKCNPAHADGDCVFCILTHGRFGAVYSSDEALIPIREIMSHFTALQCPRLA
 EKPKLFFIQACQGEEIQPSVSIEADALNPEQAPTSLQDSIPAEADFLGLATVPGYVSF
 RHVEEGSWYIQSLCNHLKLVPRHEDILSILTAVNDDVSRRVVKQGGTKKQMPQPAFT
 LRKLLVFPVPLDALSL

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CASP10 caspase 10, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP10
Synonyms	CASP10; caspase 10, apoptosis-related cysteine peptidase; caspase 10, apoptosis related cysteine protease; caspase-10; MCH4; CASP-10; FADD-like ICE2; apoptotic protease MCH-4; ICE-like apoptotic protease 4; interleukin-1B-converting enzyme 2; caspase 10, apoptosis-related cysteine protease; FAS-associated death domain protein interleukin-1B-converting enzyme 2; ALPS2; FLICE2;
Gene ID	843
mRNA Refseq	NM_001206524

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Protein Refseq NP_001193453

MIM 601762

UniProt ID Q92851

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