

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	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]
Molecular Mass	81 kDa
AA Sequence	MKSQGQHWYSSSDKNCKVSFREKLLIIDSNLGVQDVENLKFLCIGLVPNKKLEKSSS ASDVFEHLLAEDLLSEEDPFFLAELLYIIRQKKLLQHLNCTKEEVERLLPTRQRVSLFR NLLYELSEGIDSENCLKDMIFLLKDSLPKTEMTSLSFLAFLEKQKGKIDEDNLTCLDLCK

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TVVPKLLRNIEKYKREKAIQIVTPPVDKEAESYQGEEELVSQTDVKTFLFLEALPRAAVY
 RMNRNHRGLCVIVNNHSFTSLKDRQGTHKDAEILSHVFQWLGFVTHIHNNVTKVEM
 EMVLQKQKCNPAHADGDCVFCILTHGRFGAVYSSDEALIPREIMSHFTALQCPRLA
 EKPKLFFIQACQGEEIQPSVSIEADALNPEQAPTSLQDSIPAEADFLGLATVPGYVSF
 RHVEEGSWYIQSLCNHLKKLVPRHEDILSILTAVNDDVSRRVDKQGTGKKQMPQPAFT
 LRKKLVFPVPLDALSL

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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