

Recombinant Human CASP10 Protein, His-tagged

Cat. No. CASP10-299H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP10, transcript variant 1, fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	Supplied as a 0.2 μM filtered solution of 25mM HEPES, 10mM DTT, pH 7.5
Molecular Mass	30.1kD
AA Sequence	MVKTFLEALPQESWQNKHAGSNGNRATNGAPSLVSRGMQGASANTLNSETSTKRA AVYRMNRRNHRGLCVIVNNHSFTSLKDRQGTHKDAEILSHVFQWLGFVHIHNNVTK VEMEMVLQKQKCNPAHADGDCFVFCILTHGRFGAVYSSDEALIPREIMSHFTALQC

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PRLAEKPKLFFIQACQGEEIQPSVSIADALNPEQAPTSIQDSIPAEADFLGLATVPG
YVSFRHVEEGSWYIQSLCNHLKKLVPRH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

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

Protein Refseq NP_116759

MIM 601762

UniProt ID Q92851

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