

Active Recombinant Human CASP4 Protein

Cat. No. CASP4-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP4 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a protein that 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 composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms.
Form	Liquid
Bio-activity	Activity: 100 U/μL Specific Activity: One U=1 pmol/min at 30 centigrade using Ac-LEHD-pNA as substrate.
Molecular Mass	19 + 10 kDa
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal

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	Coomassie® Blue stain.
Storage	At -80 centigrade.
Storage Buffer	In 50mM HEPES, pH 7.4, 100mM NaCl, 0.5% CHAPS, 1mM EDTA, 10% glycerol, 10mM DTT.
Shipping	Dry Ice
GENE INFORMATION	
Gene Name	CASP4 caspase 4 [Homo sapiens (human)]
Official Symbol	CASP4 caspase 4 [Homo sapiens (human)]
Synonyms	CASP4; caspase 4; TX; Mih1; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II; caspase-4; CASP-4; ICE and Ced-3 homolog 2; ICE(rel)-II; apoptotic cysteine protease Mih1/TX; caspase 4, apoptosis-related cysteine peptidase; caspase 4, apoptosis-related cysteine protease; protease ICH-2; protease TX; EC 3.4.22.57
Gene ID	837
mRNA Refseq	NM_001225
Protein Refseq	NP_001216
MIM	602664
UniProt ID	P49662