Recombinant Human Caspase 10, Apoptosis-related Cysteine Peptidase

Cat. No. CASP10-598H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	E.coli
Description	Caspase-10 (also known as Mch4 and Flice2) is a member of the interleukin-1b converting enzyme (ICE) family of cysteine proteases. Similar as other caspases, caspase-10 exists in cells as an inactive proenzyme. During apoptosis, procaspase-10 is processed at aspartate residues by self-proteolysis and/or cleavage by upstream caspases. The processed form of caspase-10 consists of large (18kDa) and small (11kDa) subunits which associate to form the active enzyme.
Sourse/Host	E. coli.
Formulation	Lyophilized.
Reconstitution	Reconstitute with PBS to 1U/μ
Specific Activity	~15"000U/mg protein. One unit is defined as the amount of enzyme that cleaves 1nmol of the caspase substrate IETD-pNA per hour at 37°C in a reaction solution containing 50mM HEPES, pH 7.2, 50mM NaCl, 0.1% CHAPS, 10mM EDTA, 5% glycerol and 10mM DTT.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	≥90% (SDS-PAGE).
Storage	For long term storage, -80°C.
Pathways	Apoptosis; RIG-I-like receptor signaling pathway

GENE INFORMATION

Gene Name	CASP10 caspase 10, apoptosis-related cysteine peptidase [Homo sapiens]
Synonyms	caspase 10, apoptosis-related cysteine peptidase; MCH4; ALPS2; FLICE2; CASP10; caspase-10; 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;Apoptotic protease Mch-4; Fas-associated death domain protein; EC 3.4.22.63
Gene ID	843
mRNA Refseq	NM_001230
Protein Refseq	NP_001221
MIM	601762
UniProt ID	Q92851
Chromosome Location	2q33-q34
Function	cysteine-type endopeptidase activity; identical protein binding; peptidase activity;

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	protein binding

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