

Recombinant Human CASP7 Protein, GST-Tagged

Cat. No. CASP7-0430H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CASP7 full-length ORF (NP_203124.1, 1 a.a. - 336 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-336 aa
Description	This gene encodes 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. The precursor of the encoded protein is cleaved by caspase 3 and 10, is activated upon cell death stimuli and induces apoptosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]
Molecular Mass	64.2 kDa
AA Sequence	MDCVGVWPPGRKWHLEKNTSCGGSSGICASYVTQMADDQGCIEEQGVEDSANEDS VDAKPDRSSFVPSLFSKKNVTMRSIKTTRDRVPTYQYNMNFELGKCIINNKNFD KVTGMGVRNGTDKDAEALFKCFRSLGFDVIVYNDSCCAKMQDLLKASEEDHTNAA CFACILLSHGEENVIIYGKDGVTPIKDLTAHFRGDRCKTLLEKPKLFFIQACRGTELDD GIQADSGPINDTDANPRYKIPVEADFLFAYSTVPGYYSWRSPGRGSWFVQALCSILE

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EHGKDLEIMQILTRVND RVARHFESQSDDPHFHEKKQIPCVVSM LTKELYFSQ

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

[CASP7 caspase 7, apoptosis-related cysteine peptidase \[Homo sapiens \]](#)

Official Symbol

[CASP7](#)

Synonyms

CASP7; caspase 7, apoptosis-related cysteine peptidase; caspase 7, apoptosis related cysteine protease; caspase-7; CMH 1; ICE LAP3; MCH3; CASP-7; Lice2 alpha/beta/gamma; caspase 7 isoform delta; apoptotic protease MCH-3; ICE-like apoptotic protease 3; caspase 7, apoptosis-related cysteine protease; CMH-1; ICE-LAP3;

Gene ID

[840](#)

mRNA Refseq

[NM_001227](#)

Protein Refseq

[NP_001218](#)

MIM

[601761](#)

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UniProt ID

P55210

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