

Recombinant Full Length Human CASP7 Protein, C-Flag-tagged

Cat. No. CASP7-2063HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CASP7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	1-303 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	34.1 kDa
AA Sequence	MADEQGCIEEQGVEDSANEDSVDAKPDRSSFVPSLFSKKKKNVTMRSIKTTRDRVP TYQYNMNFELGKGC IIINNKNFDKVTGMGVRNGTDKDAEALFKCFRSLGFDVIVYND

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CSCAKMQDLLKKASEEDHTNAACFACI LLSHGEEENVYKDGVTPIKDLTAHFRGDR
CKTLLEKPKLFFIQACRGTELDGIGADSGPINDTDANPR YKIPVEADFLFAYSTVPG
YYSWRSPGRGSWFVQALCSILEEHGKDLEIMQILTRVNDRVARHFESQSDDP HFHE
KKQIPCVSMLTKELYFSQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Protein Pathways	Alzheimer's disease, Apoptosis
Full Length	Full L.

GENE INFORMATION

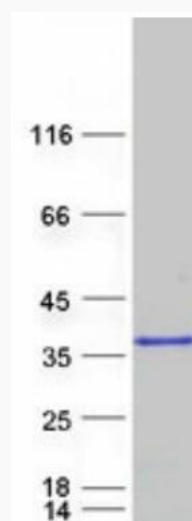
Gene Name	CASP7 caspase 7 [Homo sapiens (human)]
Official Symbol	CASP7
Synonyms	MCH3; CMH-1; LICE2; CASP-7; ICE-LAP3

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Gene ID	840
mRNA Refseq	NM_033339.5
Protein Refseq	NP_203125.1
MIM	601761
UniProt ID	P55210



Coomassie blue staining of purified CASP7 protein.

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