

Recombinant Human CASP8 Protein, His-tagged

Cat. No. CASP8-147H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP8, transcript variant G, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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 composed of a prodomain, a large protease subunit, and a 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 protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	61.7 kDa

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Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name CASP8 caspase 8, apoptosis-related cysteine peptidase [Homo sapiens]

Official Symbol CASP8

Synonyms

CASP8; caspase 8, apoptosis-related cysteine peptidase; caspase 8, apoptosis related cysteine protease; caspase-8; Casp 8; FLICE; MACH; MCH5; FADD-like ICE; MACH-alpha-1/2/3 protein; apoptotic protease Mch-5; MACH-beta-1/2/3/4 protein; apoptotic cysteine protease; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; FADD-homologous ICE/CED-3-like protease; caspase 8, apoptosis-related cysteine protease; CAP4; ALPS2B; Casp-8; FLJ17672; MGC78473;

Gene ID 841

mRNA Refseq NM_001080125

Protein Refseq NP_001073594

MIM 601763

UniProt ID Q14790

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