

Recombinant Human CASP9 protein, MYC/DDK-tagged

Cat. No. CASP9-48H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP9 fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	30 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

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Gene Name	CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP9
Synonyms	MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6; caspase-9; ICE-like apoptotic protease 6; apoptotic protease MCH-6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56
Gene ID	842
mRNA Refseq	NM_032996
Protein Refseq	NP_127463
MIM	602234
UniProt ID	P55211
Chromosome Location	1p36.21
Pathway	AGE/RAGE pathway, organism-specific biosystem; AKT phosphorylates targets in the cytosol, organism-specific biosystem; Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem
Function	SH3 domain binding; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic signaling pathway