

## Recombinant Human CASP9 protein, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CASP9 fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	30 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Gene Name</b>	CASP9 caspase 9, apoptosis-related cysteine peptidase [ Homo sapiens ]
<b>Official Symbol</b>	CASP9
<b>Synonyms</b>	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
<b>Gene ID</b>	842
<b>mRNA Refseq</b>	NM_032996
<b>Protein Refseq</b>	NP_127463
<b>MIM</b>	602234
<b>UniProt ID</b>	P55211
<b>Chromosome Location</b>	1p36.21
<b>Pathway</b>	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
<b>Function</b>	SH3 domain binding; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic signaling pathway

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA