

## Recombinant Human CASP9 Protein, GST-Tagged

Cat. No. CASP9-0433H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CASP9 full-length ORF (AAH02452.1, 1 a.a. - 416 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<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. [provided by RefSeq, May 2013]</p>
<b>Molecular Mass</b>	71.5 kDa
<b>AA Sequence</b>	<p>MDEADRRLLRRRCRLRLVEELQVDQLWDALLSRELF RPHMIEDIQRAGSGSRRDQAR            QLIIDLETRGSQALPLFISCLEDTGQDMLASFLRTNRQA AKLSKPTLENLTPVVL RPEI            RKPEVLRPETPRPVDIGSGGFGDVGAL ESLRGNADLAYILSMEPCGHCLIINNVNFC            RESGLRTRTGSNIDCEKLRRRFSSLHFMVEVKGDLTAKKMVLALLELAQQDHGALD</p>

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CCVVVILSHGCQASHLQFPGAVYGTGCPVSVEKIVNIFNGTSCPSLGGKPKLFFIQA  
 CGGEQKDHGFVASTSPEDESPGSNPEPDATPFQEGLRTFDQLDAISSLPTPSDIFV  
 SYSTFPGFVSWRDPKSGSWYVETLDDIFEQWAHSEDLQSLLLRVANAVSVKGIYKQ  
 MPGCFNFLRKKLFFKTS

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CASP9 caspase 9, apoptosis-related cysteine peptidase [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">CASP9</a>
<b>Synonyms</b>	CASP9; caspase 9, apoptosis-related cysteine peptidase; caspase 9, apoptosis related cysteine protease; caspase-9; APAF 3; ICE LAP6; MCH6; PPP1R56; protein phosphatase 1; regulatory subunit 56; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56; APAF3; APAF-3; ICE-LAP6; CASPASE-9c;
<b>Gene ID</b>	<a href="#">842</a>
<b>mRNA Refseq</b>	<a href="#">NM_001229</a>
<b>Protein Refseq</b>	<a href="#">NP_001220</a>

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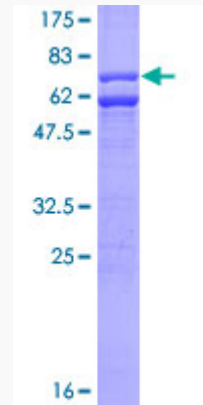
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**MIM** 602234

**UniProt ID** P55211

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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