

Recombinant Human CASP9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CASP9-3270H Lot. No. (See product label)

SPECIFICATION

Product Overview	CASP9 MS Standard C13 and N15-labeled recombinant protein (NP_127463) with a C-terminal MYC/DDK tag, 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.
Molecular Mass	30 kDa
AA Sequence	MDEADRLLRRRCRLRLVEELQVDQLWDVLLSRELFRRPHMIEDIQRAGSGSRRDQAR QLIIDLETRGSQALPLFISCLEDTGQDMLASFLRTNRQAALSKPTLENLTPVVLRLPEI RKPEVLRPETPRPVDIGSGGGFDVEQKDHGFEVASTSPEDESPGSNPEPDATPFQE

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GLRTFDQLDAISSLPTPSDIFVSYSTFPGFVSWRDPKSGSWYVETLDDIFEQWAHSE
DLQSLLLRVANAVSVKGIYKQMPGCFNFLRKKLFFKTSTRTRPLEQKLISEEDLAAND
ILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CASP9 caspase 9 [Homo sapiens (human)]

Official Symbol CASP9

Synonyms 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;

Gene ID 842

mRNA Refseq NM_032996

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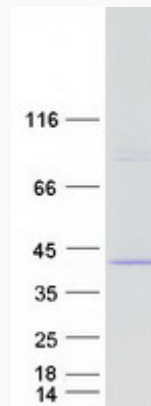
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Protein Refseq NP_127463

MIM 602234

UniProt ID P55211

SDS-PAGE



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