

Recombinant Mouse Casp6 protein, His-tagged

Cat. No. Casp6-16M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Casp6(6-162) fused with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	6-162 a.a.
Description	This gene encodes a protein which is 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 is processed by caspases 7, 8 and 10, and is thought to function as a downstream enzyme in the caspase activation cascade. Alternative splicing of this gene results in two transcript variants that encode different isoforms.
Form	Tris-based buffer, 50% glycerol
AA Sequence	GFYKS REVFDPAEQY KMDHKRRGVA LIFNHERFFW HLTLPERRGT NADRDNLTRR FSDLGFEVKC FNDLRAEELL LKIHEVSTSS HIDADCFCIV FLSHGEGNHV YAYDAKIEIQ TLTGLFKGDK CQSLVGKPKI FIIQACRGSQ HDVPVPLDM VD
Purity	>90%

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage Buffer	Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade.
GENE INFORMATION	
Gene Name	Casp6 caspase 6 [<i>Mus musculus</i>]
Official Symbol	Casp6
Synonyms	CASP6; caspase 6; caspase-6; CASP-6; apoptotic protease Mch-2; Mch2; mCASP-6;
Gene ID	12368
mRNA Refseq	NM_009811
Protein Refseq	NP_033941
MIM	
UniProt ID	O08738
Chromosome Location	3; 3 H1
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem; Apoptosis signaling pathway, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem;

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Function

cysteine-type endopeptidase activity; cysteine-type peptidase activity; endopeptidase activity; hydrolase activity; peptidase activity; protein binding;

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