

Recombinant Human CASP6

Cat. No. CASP6-26830TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Active Caspase 6 protein (Human)
Species	Human
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.
Biological activity	SPECIFIC ACTIVITY: 13,000 units/mg
Form	Lyophilised:Reconstitute to 1 unit per µl in PBS containing 15% glycerol. Following reconstitution in PBS, the enzyme should be aliquoted and immediately stored at -80°C.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 15% Glycerol, PBS
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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Sequence Similarities	Belongs to the peptidase C14A family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CASP6 caspase 6, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP6
Synonyms	CASP6; caspase 6, apoptosis-related cysteine peptidase; caspase 6, apoptosis related cysteine protease; caspase-6; MCH2;
Gene ID	839
mRNA Refseq	NM_001226
Protein Refseq	NP_001217
MIM	601532
Uniprot ID	P55212
Chromosome Location	4q25
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem;
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase

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activity; protein binding;

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