

Recombinant Human CASP6

CASP6-26830TH Human

Lot. No. (See product label)

Specification

Product Overview Recombinant full length Active Caspase 6 protein (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.

Sequence Similarities Belongs to the peptidase C14A family.

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, For Research Use Only

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conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem;

Function

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

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