

Recombinant Human Caspase 6, Apoptosis-related Cysteine Peptidase

Cat. No. CASP6-601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CASP6 expressed in <i>E.coli</i> spontaneously undergoes autoprocessing to yield the subunits characteristic of the active enzyme. The rate of caspase-6 enzymatic hydrolysis can be measured by the release of AMC from the caspase substrate Ac-DEVD-AMC as emission at 440nm and excitation at 380nm using a spectrofluorometer.
Species	Human
Source	E.coli
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.
Formulation	Liquid. 5g in 25μl of 50mM TRIS (pH 8.0) containing 100mM sodium chloride and 50mM imidazole.
Storage	Stable for at least one week when stored at +4°C. Avoid freeze/thaw cycles. After

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

reconstitution, prepare aliquots and store at -80°C.

GENE INFORMATION

Gene Name	CASP6 caspase 6, apoptosis-related cysteine peptidase [Homo sapiens]
Synonyms	CASP6; caspase 6, apoptosis-related cysteine peptidase; MCH2; caspase-6; CASP-6; apoptotic protease MCH-2; EC 3.4.22.59; caspase 6, apoptosis-related cysteine protease; Caspase-6 subunit p18; Caspase-6 subunit p11
Gene ID	839
mRNA Refseq	NM_001226
Protein Refseq	NP_001217
MIM	601532
UniProt ID	P55212
Chromosome Location	4q25
Pathway	Apoptosis
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity; protein binding

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