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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CASP3 (Human) Recombinant Protein (P01)

Catalog Number: H00000836-P01

Regulation Status: For research use only (RUO)

Product Description: Human CASP3 full-length ORF (AAH16926.1, 1 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MENTENSVDSKSIKNLEPKIIHGSESMDSGISLDNSYK
MDYPEMGLCIIINNKNFHKSTGMTSRSGTDVDAANLRE
TFRNLKYEVNRKNDLRTREEIVELMRDVSKEDHSKRSS
FVCVLLSHGEEGIIFGTNGPVDLKKITNFFRGDRCSRSLT
GKPKLFIQACRGTELDGCIETDSGVDDDMACHKIPVE
ADFLYAYSTAPGYYSWRNSKDGSWFIQSLCAMLKQY
ADKLEFMHILTRVNRKVATEFESFSFDATFHAKKQIPCI
VSILTKELYFYH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 56.21

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 836

Gene Symbol: CASP3

Gene Alias: CPP32, CPP32B, SCA-1

Gene Summary: 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 cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein. [provided by RefSeq]