

Recombinant Human CASP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CASP3-1333H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CASP3 MS Standard C13 and N15-labeled recombinant protein (NP_004337) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-277 aa
Description	The protein encoded by this gene is a cysteine-aspartic acid protease that plays a central role in the execution-phase of cell apoptosis. The encoded protein cleaves and inactivates poly(ADP-ribose) polymerase while it cleaves and activates sterol regulatory element binding proteins as well as caspases 6, 7, and 9. This 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.
Molecular Mass	31.6 kDa
AA Sequence	MENTENSVDSKSIKNLEPKIIHGSESMDSGISLDNSYKMDYPEMGLCIIINNKNFHKST GMTSRSGTDVDAANLRETFRNLYEVRNKNLDLTREEIVELMRDVSKEDHSKRSSFV CVLLSHGEEGIIFGTNGPVDLKKITNFFRGDRCSRSLTGKPKLFIIQACRGTELDGCIET DSGVDDDMACHKIPVEADFLYAYSTAPGYYSWRNSKDGSWFIQSLCAMLKQYADK LEFMHILTRVNRKVATEFESFSFDATFHAKKQIPCIVSMLTKELYFYHTRTRPLEQKLI

 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

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

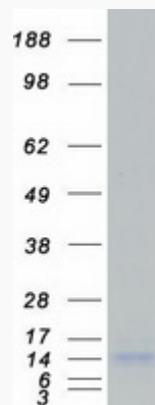
GENE INFORMATION

Gene Name	CASP3 caspase 3 [Homo sapiens (human)]
Official Symbol	CASP3
Synonyms	CASP3; caspase 3, apoptosis-related cysteine peptidase; caspase 3, apoptosis related cysteine protease; caspase-3; apopain; CPP32; CPP32B; Yama; CASP-3; CPP-32; procaspase3; protein Yama; PARP cleavage protease; cysteine protease CPP32; SREBP cleavage activity 1; caspase 3, apoptosis-related cysteine protease; SCA-1;
Gene ID	836
mRNA Refseq	NM_004346
Protein Refseq	NP_004337

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MIM 600636**UniProt ID** P42574**SDS-PAGE** 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