

## Active Recombinant Human CASP3, Met&His-tagged

Cat. No. CASP3-192H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CASP3 (Accession # AAA65015) Met1-His277, fused with an N-terminal Met and 6-His tag, was produced in E. coli-derived.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-277 a.a.
<b>Predicted N Terminal</b>	Not tested: Met predicted.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in Tris, NaCl, Sucrose and DTT.
<b>Bio-activity</b>	The activity of the activated Caspase-3 was measured by its ability to cleave DEVD-AFC. The specific activity is >500 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human CASP3, Met&His-tagged has a calculated MW of 33 kDa. In SDS-PAGE migrates as 35 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<b>Gene Name</b>	CASP3 caspase 3, apoptosis-related cysteine peptidase [ Homo sapiens ]
<b>Official Symbol</b>	CASP3
<b>Synonyms</b>	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;
<b>Gene ID</b>	836
<b>mRNA Refseq</b>	NM_004346
<b>Protein Refseq</b>	NP_004337
<b>MIM</b>	600636
<b>UniProt ID</b>	P42574
<b>Chromosome Location</b>	4q34

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