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Product datasheet for TP503736

Casp3 (NM_009810) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse caspase 3 (Casp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from Mouse cDNA ORF Clone, MR203736, encoding Mouse full-length Casp3.
Tag:	C-MYC/DDK
Predicted MW:	31.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033940
Locus ID:	12367
UniProt ID:	P70677
RefSeq Size:	1466
Cytogenetics:	8 26.39 cM
RefSeq ORF:	831
Synonyms:	A830040C14Rik; AC-; AC-3; Casp; CASP-3; Caspase-3; CC3; CPP; CPP-32; CPP32; Lice; mld; mldy; SCA-1; Ya; Yama

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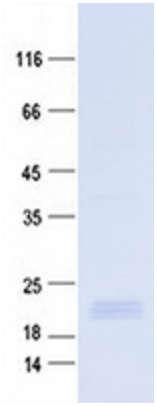
Summary: This gene encodes a protein that belongs to a highly conserved family of cysteinyl aspartate-specific proteases that function as essential regulators of programmed cell death through apoptosis. Members of this family contain an N-terminal pro-domain and require cleavage at specific aspartate residues to become mature. The protein encoded by this gene belongs to a subgroup of cysteinyl aspartate-specific proteases that are activated by initiator caspases and that perform the proteolytic cleavage of apoptotic target proteins. Mice defective for this gene exhibit a variety of phenotypes including reduced neuronal apoptosis resulting in hyperplasias, hearing loss, attenuated osteogenic differentiation of bone marrow stromal stem cells, and pre- and post-natal lethality. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Product images:



Purified recombinant protein Casp3 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.