

Recombinant Mouse Cast Protein, MYC/DDK-tagged

Cat. No. Cast-776M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse calpastatin, complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes an inhibitor of the calcium-dependent cysteine protease, calpain. This protein plays roles in multiple processes, including apoptosis, cell cycle regulation, and membrane fusion. Multiple protein isoforms exist which contain unique N-terminal domains, and multiple inhibitory domains that share homology with each other. Some isoforms may be tissue-specific. Two different pseudogenes of this gene are found on chromosome 19.
Molecular Mass	73 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Cast calpastatin [*Mus musculus* (house mouse)]

Official Symbol Cast

Synonyms Cast; calpastatin; calpastatin; calpain inhibitor; calpastatin type III

Gene ID 12380

mRNA Refseq NM_009817

Protein Refseq NP_033947

UniProt ID Q8CE80

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