

Recombinant Mouse Clpp Protein, Myc/DDK-tagged

Cat. No. Clpp-2197M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length caseinolytic mitochondrial matrix peptidase proteolytic subunit (Clpp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Protease component of the Clp complex that cleaves peptides and various proteins in an ATP-dependent process. Has low peptidase activity in the absence of CLPX. The Clp complex can degrade CSN1S1, CSN2 and CSN3, as well as synthetic peptides (in vitro) and may be responsible for a fairly general and central housekeeping function rather than for the degradation of specific substrates. Cleaves PINK1 in the mitochondrion.
Molecular Mass	29.8 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 Clpp caseinolytic mitochondrial matrix peptidase proteolytic subunit [*Mus musculus* (house mouse)]

Official Symbol Clpp

Synonyms CLPP; caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (*E. coli*); putative ATP-dependent Clp protease proteolytic subunit, mitochondrial; endopeptidase Clp; caseinolytic protease, ATP-dependent, proteolytic subunit homolog; AU019820; D17Wsu160e

Gene ID 53895

mRNA Refseq NM_017393

Protein Refseq NP_059089

UniProt ID O88696

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