

Recombinant Mouse Ctsa Protein, Myc/DDK-tagged

Cat. No. Ctsa-2366M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cathepsin A (Ctsa), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a glycoprotein with deamidase, esterase and carboxypeptidase activities. The encoded protein associates with and provides a protective function to the lysosomal enzymes beta-galactosidase and neuraminidase. Deficiency of the related gene in humans results in galactosialidosis. The proprotein is processed into two shorter chains. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	54 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 [Ctsa cathepsin A \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ctsa](#)

Synonyms CTSA; cathepsin A; lysosomal protective protein; carboxypeptidase C; carboxypeptidase L; protective protein cathepsin A; protective protein for beta-galactosidase; PPCA; Ppgb; AU019505

Gene ID [19025](#)

mRNA Refseq [NM_001038492](#)

Protein Refseq [NP_001033581](#)

UniProt ID [P16675](#)

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