

Recombinant Mouse Ctsz Protein, Myc/DDK-tagged

Cat. No. Ctsz-2371M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cathepsin Z (Ctsz), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preprotein is proteolytically processed to generate a mature enzyme with carboxypeptidase activity. An enzymatically inactive form of the protein, that is associated with the propeptide, may be involved in cancer cell invasion and proliferation. Homozygous knockout mice for this gene exhibit impaired cancer cell invasion in a breast cancer model.
Molecular Mass	34 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 Ctsz cathepsin Z [*Mus musculus* (house mouse)]

Official Symbol Ctsz

Synonyms Ctsz; cathepsin Z; CTS; CTSX; AI787083; AU019819; D2Wsu143; D2Wsu143e; cathepsin Z; cathepsin X; EC 3.4.18.1

Gene ID 64138

mRNA Refseq NM_022325

Protein Refseq NP_071720

UniProt ID Q9WUU7

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