Recombinant Mouse Ctsz protein, His-tagged

Cat. No. Ctsz-8186M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ctsz aa. (Thr34~Tyr291) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Thr34~Tyr291
Description	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein 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.
Form	Freeze-dried powder
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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	was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Ctsz cathepsin Z [Mus musculus (house mouse)]
Official Symbol	Ctsz
Synonyms	Ctsz; cathepsin Z; CTSX; AI787083; AU019819; D2Wsu143e; cathepsin X
Gene ID	64138
mRNA Refseq	NM_022325.5
Protein Refseq	NP_071720.1
UniProt ID	Q9WUU7

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