Recombinant Mouse Ctsz protein(Met1-Val306), His-tagged

Cat. No. Ctsz-283M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CTSZ (NP_071720.1)(Met 1-Val 306) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-306 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK(Dnp)-OH. The specific activity is >1, 200 pmoles/min/μg.
Molecular Mass	The secreted recombinant mouse CTSD pro form consists of 295 amino acids and has a predicted molecular mass of 33.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCTSD is approximately 38 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ctsz cathepsin Z precursor [Mus musculus]
Official Symbol	Ctsz
Synonyms	CTSZ; cathepsin Z precursor;
Gene ID	50812

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