

Active Recombinant Mouse CTSS Protein, His-tagged

Cat. No. CTSS-911M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length of mouse CTSS (AAB94925.1) (Met 1-Ile 340) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-340 a.a.
Predicted N Terminal	Val 18
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVENval-WRK (Dnp)-NH ₂ . The specific activity is >300 pmoles/min/μg.
Molecular Mass	The recombinant mouse CTSS consists of 334 amino acids and predicts a molecular mass of 37.6 KDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCTSS is approximately 33-38 KDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Full Length	Full L.
GENE INFORMATION	
Gene Name	Ctss cathepsin S [Mus musculus]
Official Symbol	CTSS
Synonyms	CTSS; cathepsin S; Cat S;
Gene ID	13040
mRNA Refseq	NM_021281
Protein Refseq	NP_067256
MIM	
UniProt ID	
Pathway	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; hydrolase

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activity; peptidase activity;

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