Recombinant Mouse Ctsa protein(Met1-Tyr474), His-tagged

Cat. No. Ctsa-908M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CTSA (P16675-1) (Met 1-Tyr 474) was expressed in HEK293, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Tyr474
Form	Lyophilized from sterile 25mM Tris, 0.3M NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant mouse CTSA consists of 462 amino acids and has a calculated molecular mass of 52.8 kDa as estimated in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 96 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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

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	0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ctsa cathepsin A [Mus musculus]
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

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