

Recombinant Mouse Ctsl Protein, His-tagged

Cat. No. Ctsl-823M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CTSL (P06797) (Met 1-Asn 334) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-334 a.a.
Predicted N Terminal	Thr 18
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH 7.51, 5%~8% trehalose and mannitol.
Molecular Mass	The secreted recombinant mouse CTSL (pro form) consists of 328 amino acids and has a calculated molecular mass of 37.3 kDa. The recombinant protein migrates as several bands probably including the pro form, mature form, the pro peptide and the cleaved heavy chain in SDS-PAGE under reducing conditions.
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.
GENE INFORMATION	
Gene Name	Ctsl cathepsin L [Mus musculus]
Official Symbol	Ctsl
Synonyms	fs; MEP; nkt; CatL; Ctsl1; 1190035F06Rik; Cat L; major excreted protein; p39 cysteine proteinase
Gene ID	13039
mRNA Refseq	NM_009984
Protein Refseq	NP_034114
MIM	
UniProt ID	P06797
Chromosome Location	13 B3; 13 33.26 Cm
Function	aminopeptidase activity; cysteine-type peptidase activity; hydrolase activity

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