

# Mouse CTSZ Recombinant Protein



RPPB5809

## Product Information Protein Information

### Product SKU:

RPPB5809

### Accession:

Q9WUU7

### Host:

Sf9, Baculovirus cells.

### Protein description:

CTSZ Mouse Recombinant produced in Baculovirus is a single, glycosylated, polypeptide chain containing 292 amino acids (23-306 aa) and having a molecular mass of 32.8kDa. CTSZ is fused to a 8 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

### Appearance:

Sterile Filtered colorless solution.

### Synonyms:

Cathepsin Z, Cathepsin X, Cysteine-Type Carboxypeptidase, Lysosomal Carboxypeptidase B, Carboxypeptidase LB, Cathepsin B2, Cathepsin IV, Cathepsin Z1, Cathepsin P, Cathepsin Y, EC 3.4.18.1, Preprocathepsin P, CTSX.

### Formulation:

The CTSZ solution (0.5 mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

### Purity:

Greater than 95.0% as determined by SDS-PAGE.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Amino Acid Sequence:

ARARLYFRSG QTCYHPIRGD QLALLGRRTY PRPHEYLSPA DLPKNWDWRN VNGVNYASVTRNQHIPQYCG  
SCWAHGSTSA MADRINIKRK GAWPSILLSV QNVIDCGNAG SCEGGNDLPVWEYAHKHGIP DETCNQYQAK  
DQDCDKFNQC GTCTEFKECH TIQNYTLWRV GDYGSLSGREKMMAEIYANG PISCGIMATE MMSNYTGGIY  
AEHQDQAVIN HIISVAGWGV SNDGIEYWIVRNSWGEPWGE KGWMRIVTST YKGGTGDSYN LAIESACTFG  
DPIVLEHHHH HH

### Biological Activity:

Specific activity is > 3,000 pmol/min/ug. One unit will convert 1 pmole of Mca-PLGL-Dpa-AR-NH2 to MCA- Pro-Leu-OH per minute at pH 3.5 at 25°C.