

# Human CTSZ Recombinant Protein



RPPB5807

## Product Information Protein Information

**Product SKU:**

RPPB5807

**Accession:**

Q9UBR2

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

CTSZ produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 288 amino acids (24-303.a.) and having a molecular mass of 32.5kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).CTSZ is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear 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:**

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

**Purity:**

Greater than 95% 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). Please avoid freeze thaw cycles.

**Amino Acid Sequence:**

GLYFRRGQTC YRPLRGDGLA PLGRSTYPRP HEYLSPADLP KSWDWRNVDG VNYASITRNQHQPQYCGSCW  
AHASTSAMAD RINIKRKGAW PSTLLSVQNV IDCGNAGSCE GGNDLSVWDYAHQHGPDET CNNYQAKDQE  
CDKFNQCGTC NEFKECHAIR NYTLWRVGDY GSLSGREKMMAEIYANGPIS CGIMATERLA NYTGGIYAEY  
QDTTYINHVV SVAGWGISDG TEYWIVRNSWGEPWGERGWL RIVTSTYKDG KGARYNLAIE EHCTFGDPV  
LEHHHHHH

**Biological Activity:**

The specific activity is determined as the ability of 1 unit to convert 1.0 pmole of Mca-PLGL-Dpa-AR-NH<sub>2</sub> to MCA- Pro-Leu-OH per minute at pH 3.5 at 25°C and is > 1,400 pmol/min/ug.