

# Mouse CTSD Recombinant Protein



RPPB1516

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## Product Information    Protein Information

**Product SKU:**

RPPB1516

**Accession:**

P18242

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

CTSD produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 398 amino acids (21-410 a.a.) and having a molecular mass of 44.0kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CTSD is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Ctsd, CatD, CD, Cathepsin D.

**Formulation:**

CTSD protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Purity:**

Greater than 90.0% 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:**

IIRIPLRKFT SIRRTMTEVG GSVEDLILKG PITKYSMQSS PKTTEPVSEL LKNYLDAQYY GDIGIGTPPQ  
CFTVVFDGTS SNLWVPSIHC KILDIACWVH HKYNSDKSST YVKNGTSDI HYGSGSLSGY LSQDTSVPC  
KSDQSKARGI KVEKQIFGEA TKQPGIVFVA AKFDGILGMG YPHISVNNVL PVFDNLMQKQK LVDKNIFSY  
LNRDPEGQPG GELMLGGTDS KYHGESLSYL NVTRKAYWQV HMDQLEVGNE LTLCKGGCEA IVDTGTSLLV  
GPVEEVKELQ KAIGAVPLIQ GEYMIPCEKV SSLPTVYLKL GGKNYELHPD KYILKVSQGG KTICLSGFMG  
MDIPPPSGPL WILGDVFIGS YYTVFDRDNN RVGFANAVVL LEHHHHHH.

**Biological Activity:**

Specific activity is > 1,000 pmol/min/ug in which one unit will 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 25C.