

RPPB5806

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## Product Information    Protein Information

**Product SKU:**

RPPB5806

**Accession:**

P16675

**Host:**

Sf9 Insect cells.

**Protein description:**

CTSA produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 459 amino acids (24-474 a.a.) and having a molecular mass of 52.4kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).CTSA is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

Lysosomal protective protein (EC:3.4.16.5), Carboxypeptidase C, Carboxypeptidase, Cathepsin A, Protective protein cathepsin A, PPCA, Protective protein for beta-galactosidase.

**Formulation:**

CTSA protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) 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:**

APDQDEIDCL PGLAKQPSFR QYSGYLRA SD SKHFHYWFVE SQNDPKNSPV VLWLN GGPGC SSLDGLL TEH  
GPFLIQPDGV TLEYNPYAWN LIANVLYIES PAGVGFYSYD DKMYVTNDTE VAENNYEALK DFFRLFPEYK  
DNKFLFTGES YAGIYIPTLA VLVMQDPSMN LQGLAVGNGL ASYEQNDNSL VYFAYYHGLL GNRLWTSLQT  
HCCAQNKCNF YDNKDPECVN NLEVS RIVG KSGLNIYNLY APCAGGV PGR HRYEDTLVVQ DFGNIFTRLP  
LKR RFPEALM RSGDKVRLDP PCTNTTAPSN YLNNPYVRKA LHIPESLPRW DMCNFLVNLQ YRRLYQSMNS  
QYLKLLSSQK YQILLYNGDV DMACNFMGDE WFDVSLNQKM EVQRRPWLV D YGESGEQVAG FVKECSHITF  
LTIKGAGHMV PTDKPRAAFT MFSRFLNKEP YVEHHHHHHH.