

## Recombinant Human CTSA protein, His-tagged

Cat. No. CTSA-895H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CTSA protein(Met 1-Tyr 480) (NP_001121167.1) was expressed in HEK293 with a N-terminal signal peptide and a C-terminal polyhistidine tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-480 aa
<b>Form</b>	Lyophilized from sterile 25mM Tris, 0.15mM NaCl, pH 7.5.
<b>Molecular Mass</b>	The secreted recombinant human CTSA existing as a single-chain form consists of 463 amino acids and has a predicted molecular mass of 53 kDa as estimated by SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** CTSA cathepsin A [ Homo sapiens ]

**Official Symbol** CTSA

**Synonyms** CTSA; cathepsin A; GSL, PPGB, protective protein for beta galactosidase (galactosialidosis); lysosomal protective protein; carboxypeptidase C; carboxypeptidase Y like kininase; carboxypeptidase L; deamidase; lysosomal carboxypeptidase A; urinary kininase; carboxypeptidase-L; beta-galactosidase 2; protective protein cathepsin A; carboxypeptidase Y-like kininase; beta-galactosidase protective protein; GSL; GLB2; NGBE; PPCA; PPGB;

**Gene ID** 5476

**mRNA Refseq** NM\_000308

**Protein Refseq** NP\_000299

**MIM** 613111

**UniProt ID** P10619

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