

Recombinant Human CTSA protein, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	1-480 aa
Form	Lyophilized from sterile 25mM Tris, 0.15mM NaCl, pH 7.5.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	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.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

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

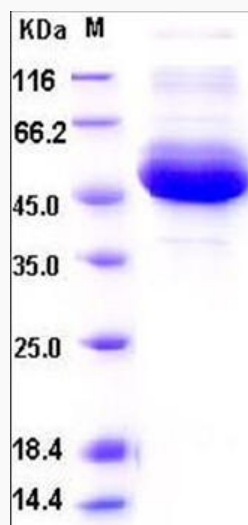
UniProt ID P10619

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SDS-PAGE



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