

Catalog No.: RP03198LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	5476	P10619

C-His

Lysosomal protective
protein;CTSA;Carboxypeptidase
C;Carboxypeptidase L;Cathepsin A

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
52.2 kDa	55-60 kDa

< 1 EU/μg of the protein by LAL method.

Supplied as a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Cathepsin A is active in cellular compartments called lysosomes. These compartments contain enzymes that digest and recycle materials when they are no longer needed. Cathepsin A interacts with the enzymes β -galactosidase and neuraminidase 1, which play a role in the breakdown of complexes of sugar molecules (oligosaccharides) attached to certain proteins (glycoproteins) or fats (glycolipids). Cathepsin A forms a complex with these two enzymes and directs their transport within the cell to the lysosomes. Within lysosomes, cathepsin A activates the enzymes and prevents their breakdown.

Recombinant Human CTSA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala29-Tyr480) of human CTSA (Accession #NP_000299.2) fused with His tag at the C-terminus.

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Store at -80°C
Avoid repeated freeze/thaw cycles.

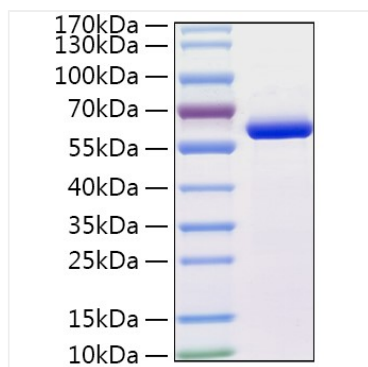
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human CTSA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.