Recombinant Human CTSA Protein

Catalog No.: RP03198LQ

Sequence Information

Species
Human

Gene ID
5476

Swiss Prot
P10619

Tags
C-His

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
52.2 kDa

Observed MW
55-60 kDa

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

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

Reconstitution

Background

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.

Basic Information

Description
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.

Activity

Shipping
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.

Storage
Store at -70℃

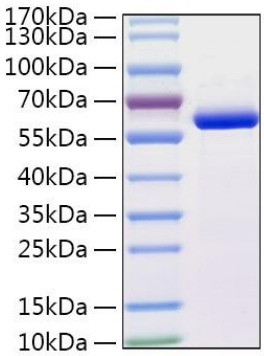
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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