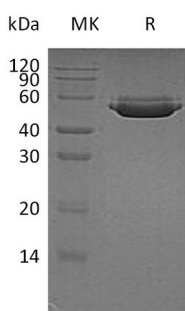


Summary

Name	Cathepsin A/CTSA
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Cathepsin A is produced by our Mammalian expression system and the target gene encoding Ala29-Tyr480 is expressed with a 6His tag at the C-terminus.
Accession #	P10619
Host	Human Cells
Species	Human
Predicted Molecular Mass	52.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Lysosomal protective protein;CTSA;Carboxypeptidase C;Carboxypeptidase L;Cathepsin A
Background	Cathepsin A is active in cellular compartments called lysosomes. These compartments contain enzymes that digest and recycle materials when they are no

Product Name: Recombinant Human CTSA (C-6His)
Catalog #: PHH0239



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.

Note

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