

Product Name: Recombinant Human CTSS (C-6His)
Catalog #: PHH2046

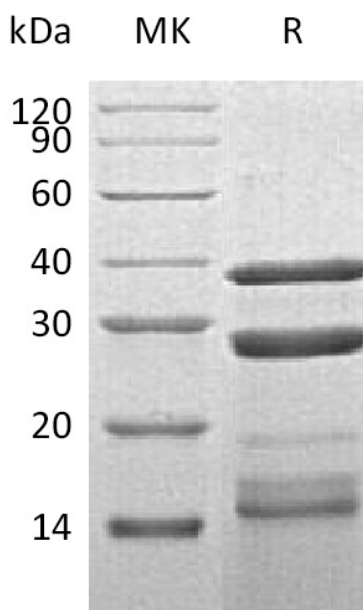


Summary

Name	Cathepsin S/CTSS
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Cathepsin S is produced by our Mammalian expression system and the target gene encoding Gln17-Ile331 is expressed with a 6His tag at the C-terminus.
Accession #	AAH02642.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	36.9&25&11.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM MES, 150mM NaCl, 10% Glycerol, pH 5.5.
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

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Alternative Names

Cathepsin S; CTSS

Background

Cathepsin S is a lysosomal enzyme that belongs to the papain family of cysteine proteases. This protein is expressed by antigen presenting cells including macrophages, B-lymphocytes, dendritic cells and microglia. Moreover, cathepsin S is expressed in some epithelial cells. Compared with the abundant cathepsins B, L and H, cathepsin S shows a restricted tissue distribution, with highest levels in spleen, heart, and lung. In addition, evidences indicated that cathepsin S generates A beta from amyloidogenic fragments of beta APP in the endosomal/lysosomal compartment, and is implicated in the pathogenesis of Alzheimer' s disease (AD) and Down Syndrome (DS).

Note

For Research Use Only , Not for Diagnostic Use.