

[Go to Product page](#)

Datasheet for ABIN7504253

Cathepsin H Protein (CTSH) (AA 21-333) (His tag)

Overview

Quantity:	100 µg
Target:	Cathepsin H (CTSH)
Protein Characteristics:	AA 21-333
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin H protein is labelled with His tag.

Product Details

Purpose:	Mouse Cathepsin H Protein
Sequence:	Ala21-Val333
Characteristics:	Recombinant Mouse Cathepsin H Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ala21-Val333.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Cathepsin H (CTSH)
Alternative Name:	Cathepsin H (CTSH Products)

Target Details

Background:	Cathepsin H (CatH) is a lysosomal cysteine protease with a unique aminopeptidase activity that is extensively expressed in the lung, pancreas, thymus, kidney, liver, skin, and brain. Owing to its specific enzymatic activity, CatH has critical effects on the regulation of biological behaviours of cancer cells and pathological processes in brain diseases.
Molecular Weight:	36.23 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	P49935
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months