Mouse Cathepsin H Protein

Cat. No. CSH-MM101

Description

Source	Recombinant Mouse Cathepsin H Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Ala21-Val333.
Accession	P49935
Molecular Weight	The protein has a predicted MW of 36.23 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

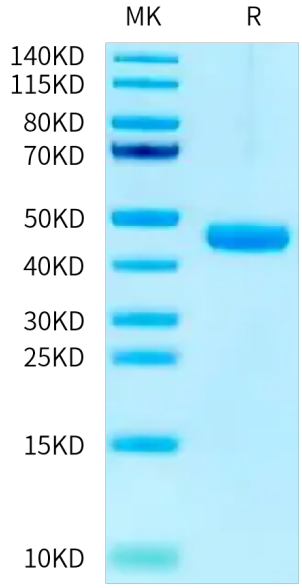
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

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.

Assay Data

Bis-Tris PAGE



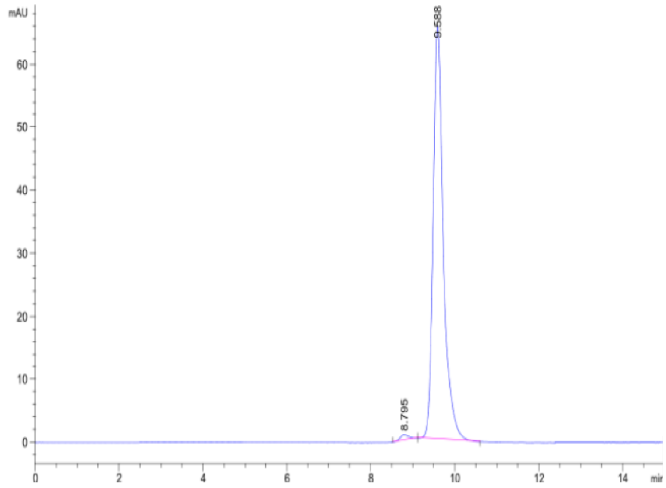
Mouse Cathepsin H on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse Cathepsin H Protein

Cat. No. CSH-MM101

Assay Data



The purity of Mouse Cathepsin H is greater than 95% as determined by SEC-HPLC.

Bioactivity Data

Measured by its ability to cleave the fluorogenic peptide substrate, Arg-7-amido-4-methylcoumarin (R-AMC). The specific activity is >700 pmol/min/μg.