

Datasheet for ABIN7273906

BACE1 Protein (AA 22-457) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	BACE1
Protein Characteristics:	AA 22-457
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BACE1 protein is labelled with His tag.

Product Details

Purpose:	Mouse BACE-1 Protein
Sequence:	Thr22-Thr457
Characteristics:	Recombinant Mouse BACE-1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr22-Thr457.
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:	BACE1
Alternative Name:	BACE-1 (BACE1 Products)

Target Details

Background:	The beta-site amyloid precursor protein cleaving enzyme-1 (BACE-1) initiates the generation of amyloid- β (A β), and the amyloid cascade leading to amyloid plaque deposition, neurodegeneration, and dementia in Alzheimer's disease (AD). Clinical failures of anti-A β therapies in dementia stages suggest that treatment has to start in the early, asymptomatic disease states.
Molecular Weight:	49.49 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
UniProt:	P56818

Application Details

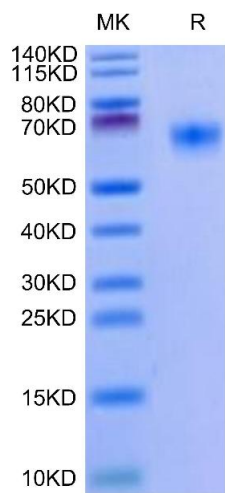
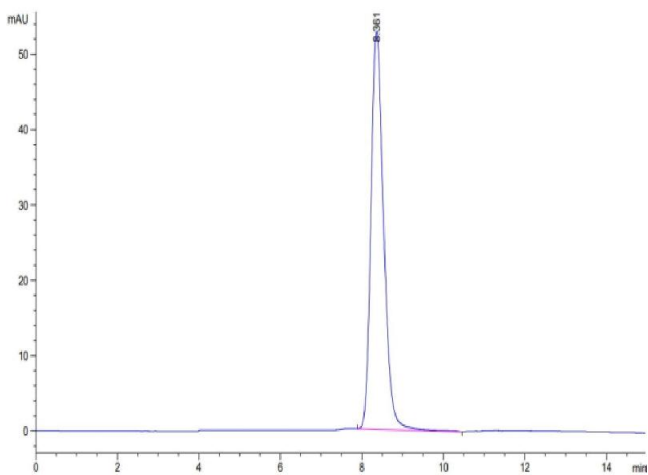
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse BACE-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse BACE-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .