

Datasheet for ABIN7273905

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

## Overview

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

## Product Details

Purpose:	Human BACE-1 Protein
Sequence:	Thr22-Thr457
Characteristics:	Recombinant Human BACE-1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Thr22-Thr457, which will be further processed into Thr22-Thr457(pro-form) & Glu46-Thr457(mature-form).
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
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## Target Details

Alternative Name:	BACE-1 ( <a href="#">BACE1 Products</a> )
Background:	The beta-site amyloid precursor protein cleaving enzyme-1 (BACE-1) initiates the generation of amyloid- $\beta$ (A $\beta$ ), and the amyloid cascade leading to amyloid plaque deposition, neurodegeneration, and dementia in Alzheimer's disease (AD). Clinical failures of anti-A $\beta$ therapies in dementia stages suggest that treatment has to start in the early, asymptomatic disease states.
Molecular Weight:	75.2 kDa (pro-form) and 72.6 kDa (mature-form). Due to glycosylation, the protein migrates to 85-100 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">NP_036236</a>

## Application Details

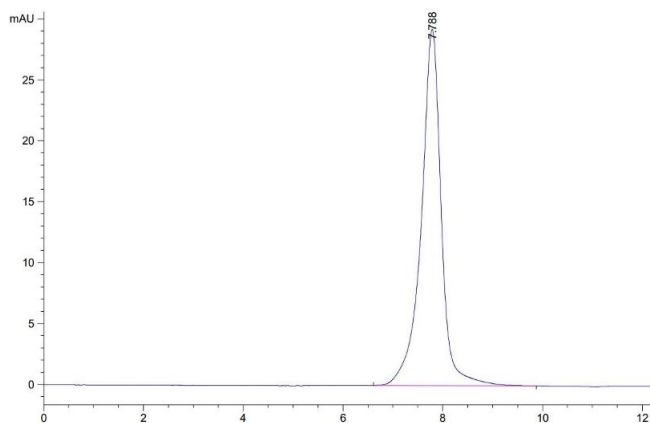
Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ 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 Human BACE-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

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

