

Datasheet for ABIN7273904

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

Overview

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|-------------------------------|--|
| 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 His tag. |

Product Details

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| Purpose: | Human BACE-1 Protein |
| Sequence: | Thr22-Thr457 |
| Characteristics: | Recombinant Human 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

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| Target: | BACE1 |
| Alternative Name: | BACE-1 (BACE1 Products) |

Target Details

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| 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: | 49.5 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result. |
| NCBI Accession: | NP_036236 |

Application Details

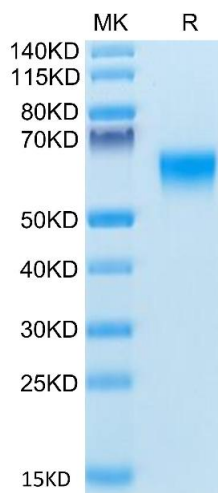
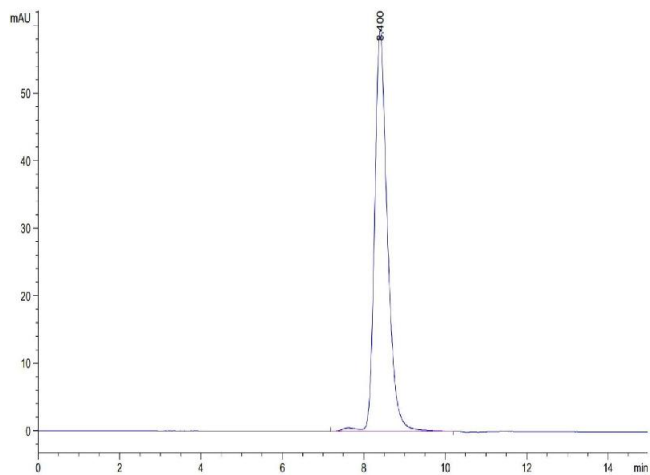
| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
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Handling

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| 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 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 % .