Human BACE-1 Protein

Catalog # BACE1-HF001 Form: Lyophilized

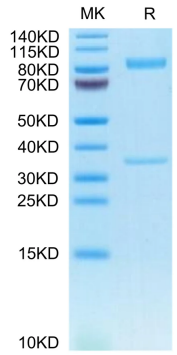
Product Details

Product description	Recombinant Human BACE-1 Protein is expressed in HEK293 cells with an hFc (IgG1) tag at the C-terminus. It contains amino acid residues Thr22-Thr457 (accession: NP_036236.1).
Molecular aliases	Beta-secretase 1; ASP2; Asp 2; BACE1; BACE; FLJ90568; HSPC104; KIAA1149; Memapsin-2; BACE-1; EC 3.4.23; EC 3.4.23.46;β-secretase 1;EC3.4.23; EC3.4.23.46;b-secretase 1
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 75.2 kDa (pro-form) and 72.6 kDa (mature-form). Due to glycosylation, the protein migrates to 85-100 kDa based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin	Less than 1 EU per ug by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
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.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

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