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32-17573: Human BACE1 Protein, His Tag

Clone Name : BACE1
Uniprot ID : P56817
Alternative Name : ASP2,BACE,HSPC104

Description

Molecular Weight: BACE1 protein has a predicted molecular mass of 49.3 kDa after removal of the signal peptide. The apparent molecular mass of BACE1-His is approximately 55-100 kDa due to glycosylation.

Molecular Characterization: BACE1(Thr22-Thr457) 6×His tag

BACE1 gene encodes a member of the peptidase A1 family of aspartic proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protease. This transmembrane protease catalyzes the first step in the formation of amyloid beta peptide from amyloid precursor protein. Amyloid beta peptides are the main constituent of amyloid beta plaques, which accumulate in the brains of human Alzheimer's disease patients.

Product Info

Amount :	10 µg / 50 µg
Purification :	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Formulation and Reconstitution: Lyophilized from sterile PBS, pH 7.4. Normally 5 % â€“ 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

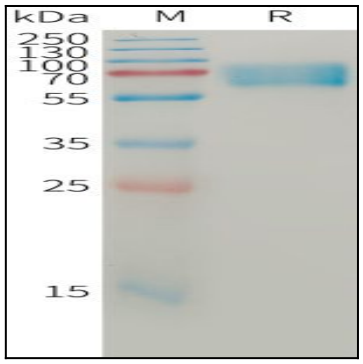


Figure 1. Human BACE1 Protein, His Tag on SDS-PAGE under reducing condition.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.