

## BACE-1 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77569
Synonyms:	Beta-secretase 1; ASP2; Asp 2; BACE1; BACE; FLJ90568; HSPC104; KIAA1149; Memapsin-2; BACE-1; EC 3.4.23; EC 3.4.23.46
Species:	Human
Source:	HEK293
Accession:	P56817 (T22-T457)
Gene ID:	23621
Molecular Weight:	85-100 kDa

### PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	The BACE1 protein plays a pivotal role in the proteolytic processing of the amyloid precursor protein (APP). It initiates cleavage at the N-terminus of the A-beta peptide sequence, specifically between residues 671 and 672 of APP, resulting in the production and subsequent extracellular release of beta-cleaved soluble APP. Simultaneously, BACE1 generates a corresponding cell-associated C-terminal fragment, subsequently released by gamma-secretase. In addition to its primary target, BACE1 also exhibits cleavage activity on CHL1, as observed through its similarity in cleaving this substrate.
------------	--

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA