

Active Recombinant Human BACE1 protein

Cat. No. BACE1-2938H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BACE1 protein(Thr 22-Thr 457) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Thr 22-Thr 457
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, pH8.0 with trehalose as protectant.
Bio-activity	Measured by its ability to cleave a fluorogenic peptide substrate, Mca-SEVNLDAEFRK(Dpn)RR-NH ₂ . The specific activity is >3.5 pmol/min/g, as measured under the described conditions.
Molecular Mass	This protein carries no "tag" The protein has a calculated MW of 49.0 kDa. The protein migrates as 53-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>98% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage

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at:-20°C to-70°C for 12 months in lyophilized state;-70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [BACE1 beta-site APP-cleaving enzyme 1 \[Homo sapiens \]](#)

Official Symbol [BACE1](#)

Synonyms

BACE1; beta-site APP-cleaving enzyme 1; BACE, beta site APP cleaving enzyme; beta-secretase 1; asp 2; memapsin-2; APP beta-secretase; aspartyl protease 2; beta-site APP cleaving enzyme 1; beta-secretase 1 precursor variant 1; transmembrane aspartic proteinase Asp2; membrane-associated aspartic protease 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme; ASP2; BACE; HSPC104; FLJ90568; KIAA1149;

Gene ID [23621](#)

mRNA Refseq [NM_001207048](#)

Protein Refseq [NP_001193977](#)

MIM [604252](#)

UniProt ID [P56817](#)

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