

Recombinant Human BACE1 protein, His-tagged

Cat. No. BACE1-0398H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BACE1 protein(157-457 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	157-457 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	VRANIAAITESDKFFINGSNWEGILGLAYAEIARPDDSLEPFFDSLVKQTHVPNLFSLQ LCGAGFPLNQSEVLASVGGSMIIGGIDHSLYTGSLWYTPIRREWYYEVIIVRVEINGQ DLKMDCKEYNYDKSIVDSGTTNLRPKKVFEAAVKSIIKAASSTEKFPDGFWLGEQLV CWQAGTTPWNIFPVISLYLMGEVTNQSFRTILPQQYLRPVEDVATSQDDCYKFAISQ SSTGTVMGAVIMEGFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTLDMEDC GYNIPQTDESTLM
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

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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