Recombinant Human BACE2 protein, His-tagged

Cat. No. BACE2-1831H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BACE2 aa. (Met230-Phe396 (Accession # Q9Y5Z0)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met230-Phe396
Description	This gene encodes an integral membrane glycoprotein that functions as an aspartic protease. The encoded protein cleaves amyloid precursor protein into amyloid beta peptide, which is a critical step in the etiology of Alzheimer's disease and Down syndrome. The protein precursor is further processed into an active mature peptide. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	19.9kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>97%
Characteristic	The isoelectric point is 4.7.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	BACE2 beta-site APP-cleaving enzyme 2 [Homo sapiens (human)]
Official Symbol	BACE2
Synonyms	Ebi3; Epstein-Barr virus induced gene 3; EBI-3; IL-27; interleukin-27 subunit beta; IL-27 subunit beta; IL-27B; epstein-Barr virus-induced gene 3 protein homolog
Gene ID	25825
mRNA Refseq	NM_012105.4
Protein Refseq	NP_036237.2

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UniProt ID	Q9Y5Z0

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