

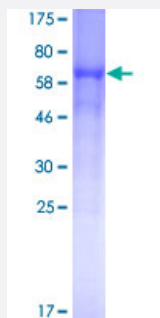
Full-Length

BACE1 (Human) Recombinant Protein (P01)

Catalog # H00023621-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BACE1 full-length ORF (AAH65492, 22 a.a. - 501 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

TQHGIRLPLRSGLGGAAPLGLRLPRETDEEPEEPGRRGSFVEMVDNLRGKSGQGYYVEMTVGSPP
QTLNILVDTGSSNFAVGAAPHPFLHRYRQLSSTYRDLRKGVVYPYTQGKWEDELGTDLVSIHG
PNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARPDSSLEPFDSLQTHVPLFSLQLCGA
GFPLNQSEVLASVGGSMIIGDHSYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNYDKS
VDSGTTNLRPLPKVFEEAAVKSIAASSTEKFPDGFVLGEQLVCWQAGTTPWNIFPVISLYLMGEV
TNQSFRTILPQQYLRPVEDVATSDDCYKFAISQSSTGTVMGAVIMEGFVVFDRARKRIGFAVSA
CHVHDEFRTAAVEGPFVTLDMEDCGYNIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQWRCLR
CLRQQHDDFADDISLLK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.54

Interspecies Antigen Sequence

Mouse (96); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BACE1

Entrez GeneID	23621
GeneBank Accession#	BC065492
Protein Accession#	AAH65492
Gene Name	BACE1
Gene Alias	ASP2, BACE, FLJ90568, HSPC104, KIAA1149
Gene Description	beta-site APP-cleaving enzyme 1
Omim ID	604252
Gene Ontology	Hyperlink
Gene Summary	Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein (APP) by two proteases, one of which is the protein encoded by this gene. The encoded protein, a member of the peptidase A1 protein family, is a type I integral membrane glycoprotein and aspartic protease that is found mainly in the Golgi. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Other Designations	APP beta-secretase aspartyl protease 2 beta-secretase beta-site amyloid beta A4 precursor protein-cleaving enzyme beta-site amyloid precursor protein cleaving enzyme memapsin-2 membrane-associated aspartic protease 2 transmembrane aspartic proteinase Asp2

Disease

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