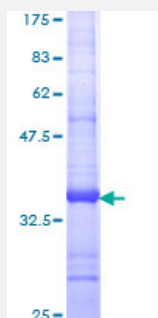


BACE2 (Human) Recombinant Protein (Q01)

Catalog # H00025825-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human BACE2 partial ORF (NP_036237, 306 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TLLRLPQKVFDVAVEAVARASLIPEFSDGFWTGSQACWTNSETPWSYFPKISMLRDENSSRSF RITLPQLYIQPMMGAGLNYECYR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (88); Rat (88)
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 — BACE2

Entrez GeneID [25825](#)

GeneBank Accession# [NM_012105](#)

Protein Accession# [NP_036237](#)

Gene Name BACE2

Gene Alias AEPLC, ALP56, ASP1, ASP21, BAE2, CDA13, CEAP1, DRAP

Gene Description beta-site APP-cleaving enzyme 2

Omim ID [605668](#)

Gene Ontology [Hyperlink](#)

Gene Summary Cerebral deposition of amyloid beta peptide is an early and critical feature of Alzheimer's disease and a frequent complication of Down syndrome. Amyloid beta peptide is generated by proteolytic cleavage of amyloid precursor protein by 2 proteases, one of which is the protein encoded by this gene. This gene localizes to the 'Down critical region' of chromosome 21. The encoded protein, a member of the peptidase A1 protein family, is a type I integral membrane glycoprotein and aspartic protease. Three transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations 56 kDa aspartic-like protease|Down syndrome region aspartic protease|aspartyl protease 1|beta secretase 2|beta-site amyloid beta A4 precursor protein-cleaving enzyme 2|memapsin-1|membrane-associated aspartic protease 1|transmembrane aspartic proteinase As

Disease

- [Alzheimer disease](#)

- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)