Recombinant Human BACE2, GST-tagged

Cat. No. BACE2-578TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BACE2 partial ORF (306 a.a. - 395 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	35.64 kDa
AA Sequence	TTLLRLPQKVFDAVVEAVARASLIPEFSDGFWTGSQLACWTNSETPWSYFPKISIYLR DENSSRSFRITILPQLY IQPMMGAGLNYECYR
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot; Antibody Production; Protein Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	BACE2 beta-site APP-cleaving enzyme 2 [Homo sapiens (human)]
Official Symbol	BACE2
Synonyms	BACE2; ASP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1; beta-site APP-cleaving enzyme 2; beta-secretase 2; memapsin-1; theta-secretase; aspartyl protease 1; 56 kDa aspartic-like protease; Down syndrome region aspartic protease; transmembrane aspartic proteinase Asp1; membrane-associated aspartic protease 1; beta-site amyloid beta A4 precursor protein-cleaving enzyme 2; EC 3.4.23.45
Gene ID	25825
mRNA Refseq	NM_012105
Protein Refseq	NP_036237
MIM	605668
UniProt ID	Q9Y5Z0
Chromosome Location	21q22.3
Pathway	Alzheimer''s disease
Function	aspartic-type endopeptidase activity

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