



BACE1 blocking peptide (CDBP5149)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Multiple transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2011]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	BACE1 beta-site APP-cleaving enzyme 1 [Homo sapiens (human)]
Official Symbol	BACE1
Synonyms	BACE1; beta-site APP-cleaving enzyme 1; ASP2; BACE; HSPC104; 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

Entrez Gene ID	23621
mRNA Refseq	NM_001207048
Protein Refseq	NP_001193977
UniProt ID	P56817
Pathway	Alzheimer's disease; Alzheimers Disease
Function	aspartic-type endopeptidase activity; beta-amyloid binding; beta-aspartyl-peptidase activity; enzyme binding; protein binding
