



Human BACE2 blocking peptide (CDBP0551)

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

PRODUCT INFORMATION

Product Overview	BACE 2 (C - term) peptide (human)
Antigen 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.
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	0.2 mg/ml
Size	50 µg
Buffer	PBS with 0.1% BSA 0.02% sodium azide pH7.2
Preservative	0.02% Sodium Azide
Storage	Upon Receipt - Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name [BACE2 beta-site APP-cleaving enzyme 2 \[Homo sapiens \]](#)

Official Symbol	BACE2
Synonyms	BACE2; beta-site APP-cleaving enzyme 2; AEPLC; beta-secretase 2; ALP56; CEAP1; DRAP; asp 1; memapsin-1; theta-secretase; beta secretase 2; aspartyl protease 1; 56 kDa aspartic-like protease; aspartic-like protease 56 kDa; down region aspartic protease; beta-site APP cleaving enzyme 2; Down syndrome region aspartic protease; transmembrane aspartic proteinase Asp1; membrane-associated aspartic protease 1; beta-site amyloid precursor protein cleaving enzyme 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme 2; ASP1; BAE2; ASP21; CDA13;
Entrez Gene ID	25825
mRNA Refseq	NM_012105
Protein Refseq	NP_036237
UniProt ID	Q9Y5Z0
Chromosome Location	21q22.3
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;
Function	aspartic-type endopeptidase activity; peptidase activity;