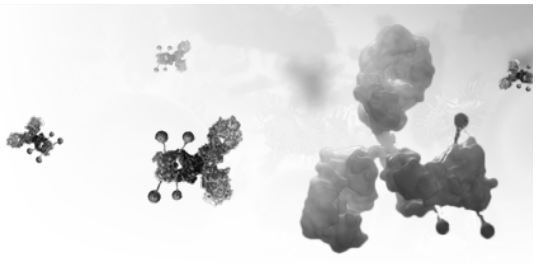

PSEN1 blocking peptide (CDBP5953)

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

PRODUCT INFORMATION

Antigen Description	Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1; PSEN2) or in the amyloid precursor protein (APP). These disease-linked mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins are involved in the cleavage of the Notch receptor, such that they either directly regulate gamma-secretase activity or themselves are protease enzymes. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene, the full-length nature of only some have been determined. [provided by RefSeq, Aug 2008]
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	PSEN1 presenilin 1 [Homo sapiens (human)]
Official Symbol	PSEN1

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Synonyms	PSEN1; presenilin 1; AD3; FAD; PS1; PS-1; S182; presenilin-1
Entrez Gene ID	5663
mRNA Refseq	NM_000021
Protein Refseq	NP_000012
UniProt ID	P49768
Pathway	Alzheimer's disease; Alzheimers Disease; Degradation of the extracellular matrix; Delta-Notch Signaling Pathway; Extracellular matrix organization; Neurotrophin signaling pathway; Notch Signaling Pathway; Notch signaling pathway
Function	PDZ domain binding; aspartic-type endopeptidase activity; beta-catenin binding; cadherin binding; calcium channel activity; endopeptidase activity; protein binding

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