

PSEN2 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20599a**Specification**

PSEN2 Blocking Peptide (N-term) - Product InformationPrimary Accession [P49810](#)**PSEN2 Blocking Peptide (N-term) - Additional Information****Gene ID** 5664**Other Names**

Presenilin-2, PS-2, 3423-, AD3LP, AD5, E5-1, STM-2, Presenilin-2 NTF subunit, Presenilin-2 CTF subunit, PSEN2, AD4, PS2, PSNL2, STM2

Target/Specificity

The synthetic peptide sequence is selected from aa 52-65 of HUMAN PSEN2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PSEN2 Blocking Peptide (N-term) - Protein Information**Name** PSEN2**Synonyms** AD4, PS2, PSNL2, STM2**Function**

Probable catalytic subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid- beta precursor protein). Requires the other members of the gamma- secretase complex to have a protease activity. May play a role in intracellular signaling and gene expression or in linking chromatin to the nuclear membrane. May function in the cytoplasmic partitioning of proteins. The holoprotein functions as a calcium-leak channel that allows the passive movement of calcium from endoplasmic reticulum to cytosol and is involved in calcium homeostasis (PubMed:16959576). Is a regulator of mitochondrion-endoplasmic reticulum membrane tethering and modulates calcium ions shuttling between ER and mitochondria (PubMed:21285369).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein

Tissue Location

Isoform 1 is seen in the placenta, skeletal muscle and heart while isoform 2 is seen in the heart, brain, placenta, liver, skeletal muscle and kidney.

PSEN2 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PSEN2 Blocking Peptide (N-term) - Images**PSEN2 Blocking Peptide (N-term) - Background**

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PSEN2 Blocking Peptide (N-term) - References

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Rogaev E.I., et al. Nature 376:775-778(1995).
Li J., et al. Proc. Natl. Acad. Sci. U.S.A. 92:12180-12184(1995).
Levy-Lahad E., et al. Genomics 34:198-204(1996).
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.