

**Presenilin-2 N-Terminal Peptide**  
**Synthetic Peptide**  
**Catalog # SP2553b****Specification**

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**Presenilin-2 N-Terminal Peptide - Product Information**

Primary Accession	<a href="#">P49810</a>
Other Accession	<a href="#">Q5RCN9</a>
Sequence	NH2-CQEGRQGPEDGENTAQ-COOH

**Presenilin-2 N-Terminal Peptide - 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

**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.

**Presenilin-2 N-Terminal Peptide - 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:<a href="http://www.uniprot.org/citations/16959576" target="\_blank">16959576</a>). Is a regulator of mitochondrion-endoplasmic reticulum membrane tethering and modulates calcium ions shuttling between ER and mitochondria (PubMed:<a href="http://www.uniprot.org/citations/21285369" target="\_blank">21285369</a>).

**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.

**Presenilin-2 N-Terminal Peptide - Images**