

## PSENEP Protein, Human, Recombinant (His)

### General Information

Synonyms:	Presenilin enhancer protein 2;Gamma-secretase subunit PEN-2;PSENEP;PEN2
Protein Construction:	1-101 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q9NZ42
Molecular Weight:	14.8 kDa (predicted)
AA Sequence:	MNLERVSNEEKLNLCRKYYLGGFAFLPFLWLVNIFWFFREAFVLPAYTEQSQIKGYVWRSVAVGFLFWVIVLTS WITIFQIYRPRWGALGDYLSFTIPLGTP

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Essential 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). The gamma-secretase complex plays a role in Notch and Wnt signaling cascades and regulation of downstream processes via its role in processing key regulatory proteins, and by regulating cytosolic CTNNB1 levels (Probable). PSENEP modulates both endoproteolysis of presenilin and gamma-secretase activity.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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