

## Recombinant Human presenilin 2 (Alzheimer disease 4) Protein, His-tagged

Cat. No. PSEN2-28H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human PSEN2 Protein (305-384aa) with His-tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 305-384aa

#### Description

Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the presenilin proteins (PSEN1 or PSEN2) or 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 act as protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified.

**Tag** C-His

**Molecular Mass** 10 kDa

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<b>AA Sequence</b>	MAKLDPSSQGALQLPYDPEMEEDSYDSFGEPSYPEVFEPPLTGYPGEELEEEEEERG VKLGLGDFIFYSVLVGKAAATGSGDHHHHHHHHH
<b>Endotoxin</b>	< 1 EU/μg by LAL.
<b>Purity</b>	> 90 % by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	1 mg/mL by BCA
<b>Storage Buffer</b>	Sterile PBS, pH7.4

## GENE INFORMATION

<b>Gene Name</b>	PSEN2 presenilin 2 (Alzheimer disease 4) [Homo sapiens (human)]
<b>Official Symbol</b>	PSEN2
<b>Synonyms</b>	PSEN2; presenilin 2 (Alzheimer disease 4); AD4; presenilin-2; AD3L; PS2; STM2; AD5; E5-1; PS-2; AD3LP; STM-2; CMD1V
<b>Gene ID</b>	5664
<b>mRNA Refseq</b>	NM_000447
<b>Protein Refseq</b>	NP_000438
<b>MIM</b>	600759

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UniProt ID

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