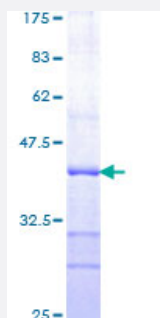


PSEN1 (Human) Recombinant Protein (Q01)

Catalog # H00005663-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human PSEN1 partial ORF (AAH11729, 280 a.a. - 379 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PALIYSSTMVWLVNMAEGDPEAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEEWEAQRD SHLGPHRSTPESRAAVQELSSSILAGEDPEERGVKLGL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PSEN1

Entrez GeneID	5663
GeneBank Accession#	BC011729
Protein Accession#	AAH11729
Gene Name	PSEN1
Gene Alias	AD3, FAD, PS1, S182
Gene Description	presenilin 1
Omim ID	104311 172700 600274 607822
Gene Ontology	Hyperlink

Gene Summary

Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the pre senilin 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]

Other Designations -

Pathway

- [Neurotrophin signaling pathway](#)

- [Notch signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anomia](#)
- [Cardiovascular Diseases](#)
- [Chromosome Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Down Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Headache](#)
- [Lewy Body Disease](#)
- [Macular Degeneration](#)
- [Memory Disorders](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Neurodegenerative Diseases](#)

- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Parkinson disease](#)
- [Psychiatric Status Rating Scales](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)