

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MAKLDPSSQGALQLPYDPEMEEDSYDSFGEPSYPEVFEPPLTGYPGEELEEEEEERG VKLGLGDFIFYSVLVGKAAATGSGDHHHHHHHHH
Endotoxin	< 1 EU/μg by LAL.
Purity	> 90 % by SDS-PAGE
Storage	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.
Concentration	1 mg/mL by BCA
Storage Buffer	Sterile PBS, pH7.4

GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

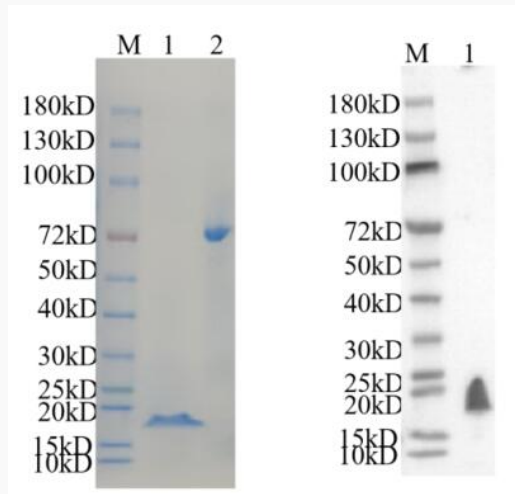
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P49810

Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
PSEN2.



1. PSEN2
2. BSA

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA