

Recombinant Full Length Human presenilin enhancer, gamma-secretase subunit Protein, Flag tagged

Cat. No. PSEENEN-33HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human presenilin enhancer 2 homolog (C. elegans) (PSEENEN) with C-Myc/DDK tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-101aa
Description	Presenilins, which are components of the gamma-secretase protein complex, are required for intramembraneous processing of some type I transmembrane proteins, such as the Notch proteins and the beta-amyloid precursor protein. Signaling by Notch receptors mediates a wide range of developmental cell fates. Processing of the beta-amyloid precursor protein generates neurotoxic amyloid beta peptides, the major component of senile plaques associated with Alzheimer's disease. This gene encodes a protein that is required for Notch pathway signaling, and for the activity and accumulation of gamma-secretase. Mutations resulting in haploinsufficiency for this gene cause familial acne inversa-2 (ACNINV2). Alternative splicing results in multiple transcript variants.
Tag	C-Flag
Molecular Mass	11.8 kDa

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AA Sequence	MNLERSNEEKLNLCKRKYLLGGFAFLPFLWLVNIFWFFREAFVLPAYTEQSQIKGYV WRSVAGFLFWVIVLTSWITIFQIYRPRWGALGDYLSFTIPLGTPTRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	> 0.05 µg/µL as determined by microplate BCA method
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

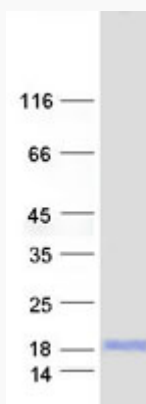
GENE INFORMATION

Gene Name	PSENEN presenilin enhancer, gamma-secretase subunit [Homo sapiens (human)]
Official Symbol	PSENEN
Synonyms	PSENEN; presenilin enhancer, gamma-secretase subunit; PEN2; PEN-2; MDS033; ACNINV2; MSTP064; gamma-secretase subunit PEN-2; hematopoietic stem/progenitor cells protein MDS033; presenilin enhancer 2 homolog
Gene ID	55851
mRNA Refseq	NM_172341

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Protein Refseq NP_758844**MIM** 607632**UniProt ID** Q9NZ42**SDS-PAGE** 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