SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human PSENEN (Presenilin enhancer, gamma-secretase subunit) Full Length

Cat. No.: **MPC1319K**
This product is for research use only and is not intended for diagnostic use.

This product is a 12 kDa Human PSENEN membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
PSENEN

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
12 kDa

TMD
2

Sequence
MNLERVSNEEKLNLCRKYYLGGFAFLPFLWLVNIFWFFREAFLVPAYTEQ
SQIKGYVWRSAVGFLFWVIVLTSWITIFQIYRPRWGALGDYLSFTIPLGT
P

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PSENEN

Full Name

Presenilin enhancer, gamma-secretase subunit

Introduction

Presenilins, which are components of the gamma-secretase protein complex, are required for intramembranous 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.

Alternative Names

PSENEN; PEN2; PEN-2; MDS033; ACNINV2; MSTP064; gamma-secretase subunit PEN-2; hematopoietic stem/progenitor cells protein MDS033; presenilin enhancer 2 homolog; Presenilin enhancer, gamma-secretase subunit

Gene ID

55851

UniProt ID

Q9NZ42

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