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Product Information

MemDX™ Membrane Protein Human PSENEN (Presenilin enhancer, gamma-secretase subunit) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX1059K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human PSENEN membrane protein expressed *in vitro E.coli* expression system. 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
Receptor

Molecular Weight
14.8 kDa

TMD
2

Sequence
MNLERVSNEEKLNLCRKYYLGGFAFLPFLWLVNIFWFFREAFLVPAYTEQSQIKGYVWRSAVGFLFWVIVLTSWITIFQIYRPRWGAL

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form

Liquid or Lyophilized powder

Purity

>85% as determined by SDS-PAGE.

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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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