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Product Information

MemDX™ Membrane Protein Human PSENEN (Presenilin enhancer, gamma-secretase subunit) for Antibody Discovery

Cat. No.: **MP0835J**
This product is for research use only and is not intended for diagnostic use.

This product is a 11.8 kDa Human PSENEN membrane protein expressed in HEK293T. 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
Druggable Genome, Transmembrane

Molecular Weight
11.8 kDa

TMD
1

Sequence
MNLERVSNEEKLNLCRKYYLGGFAFLPFLWLVNIFWFFREAFLVPAYTEQSQIKGYVWRSAVGFLFWVIV
LTSWITIFQIYRPRWGALGDYLSFTIPLGTP

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

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Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl

Storage

Store at +4°C for up to one week or several months at -80°C

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

PEN2; PEN-2; MDS033; ACNINV2; MSTP064

Gene ID

55851

UniProt ID

Q9NZ42

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