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Product Information

MemDX™ Membrane Protein Human PSEN2 (Presenilin 2) Full Length

Cat. No.: **MPC1062K**
This product is for research use only and is not intended for diagnostic use.

This product is a 50.1 kDa Human PSEN2 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
PSEN2

Protein Length
Full length

Protein Class
Protease

Molecular Weight
50.1 kDa

TMD
9

Sequence
MLTFMASDSEEEVCDERTSLMSAESPTPRSCQEGRQGPEDGENTAQWRSQ
ENEEDGEEDPDRYVCSGVPGRPPGLEEELTLKYGAKHVIMLFVPVTLCMI
VVVATIKSVRFYTEKNGQLIYTPFTEDTPSVGQRLLNSVLNTLIMISVIV
VMTIFLVVLYKYRCYKFIHGWLIMSSLMLLFLFTYIYLGEVLKTYNVAMD
YPTLLLTVWNFGAVGMVCIHWKGPLVLQQAYLIMISALMALVFIKYLPEW
SAWVILGAISVYDLVAVLCPKGPLRMLVETAQERNEPIFPALIYSSAMVW
TVGMAKLDPSSQGALQLPYDPEMEEDSYDSFGEPSYPEVFEPPLTGYPGE
ELEEEEERGVKLGLGDFIFYSVLVGKAAATGSGDWNTTLACFVAILIGLC
LTLLLLAVFKKALPALPISITFGLIFYFSTDNLVRPFMDTLASHQLYI

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

PSEN2

Full Name

Presenilin 2

Introduction

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 are protease enzymes. Two alternatively spliced transcript variants encoding different isoforms of PSEN2 have been identified.

Alternative Names

PSEN2; AD4; PS2; AD3L; STM2; CMD1V; presenilin-2; AD3LP; AD5; Alzheimer disease 4; E5-1; PS-2; STM-2; Presenilin 2

Gene ID

5664

UniProt ID

P49810