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Product Information

MemDX™ Membrane Protein Human APH1A (Aph-1 homolog A, gamma-secretase subunit)

Full Length

Cat. No.: **MPC1470K**
This product is for research use only and is not intended for diagnostic use.

This product is a 28.9 kDa Human APH1A 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
APH1A

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
28.9 kDa

TMD
7

Sequence
MGAAVFFGCTFVAFGPAFALFLITVAGDPLRVIILVAGAFFWLVSLLLAS
VVWFILVHVTDRSDARLQYGLLIFGAAVSVLLQEVFRFAYYKLLKKADEG
LASLSEDGRSPISIRQMAYVSGLSFGIISGVFSVINILADALGPGVVGIH
GDSPYYFLTSAFLTAAIILLHTFWGVVFFDACERRRYWALGLVVGSHLLT
SGLTFLNPWYEASLLPIYAVTVSMGLWAFITAGGSLRSIQRSLLCRRQED
SRVMVYSALRIPPED

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

APH1A

Full Name

Aph-1 homolog A, gamma-secretase subunit

Introduction

This gene encodes a component of the gamma secretase complex that cleaves integral membrane proteins such as Notch receptors and beta-amyloid precursor protein. The gamma secretase complex contains this gene product, or the paralogous anterior pharynx defective 1 homolog B (APH1B), along with the presenilin, nicastrin, and presenilin enhancer-2 proteins. The precise function of this seven-transmembrane-domain protein is unknown though it is suspected of facilitating the association of nicastrin and presenilin in the gamma secretase complex as well as interacting with substrates of the gamma secretase complex prior to their proteolytic processing. Polymorphisms in a promoter region of this gene have been associated with an increased risk for developing sporadic Alzheimer's disease. Alternative splicing results in multiple protein-coding and non-protein-coding transcript variants.

Alternative Names

APH1A; APH-1; APH-1A; CGI-78; 6530402N02Rik; gamma-secretase subunit APH-1A; APH1A gamma secretase subunit; anterior pharynx defective 1 homolog A; aph-1alpha; presenilin-stabilization factor; Aph-1 homolog A, gamma-secretase subunit

Gene ID

51107

UniProt ID

Q96BI3