

Product Information

MemDX™ Membrane Protein Human APP (Amyloid beta precursor protein) Expressed in HEK293 for Antibody Discovery, Partial (1-669aa)

Cat. No.: **MPX0103K**

This product is for research use only and is not intended for diagnostic use.

This product is a 101 kDa Human APP 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

APP

Protein Length

Partial (1-669aa)

Protein Class

Cell adhesion

Molecular Weight

101 kDa

TMD

1

Sequence

MLPGLALLLLAAWTARALEVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKWSDPSGKTCTCIDTKEGILQYCQEVYPELQITNVV

Product Description

Expression Systems

HEK293

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

Liquid

Purity

> 95 % SDS-PAGE.

Buffer

pH: 7.40, Constituent: 100% PBS

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**

APP

Full Name

Amyloid beta precursor protein

Introduction

This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene.

Alternative Names

APP; AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma; alpha-sAPP; amyloid-beta precursor protein; alzheimer disease amyloid protein; amyloid beta (A4) precursor protein; amyloid beta A4 protein; amyloid precursor protein; beta-amyloid peptide; beta-amyloid peptide(1-40); beta-amyloid peptide(1-42); beta-amyloid precursor protein; cerebral vascular amyloid peptide; peptidase nexin-II; protease nexin-II; testicular tissue protein Li 2; Amyloid beta precursor protein

Gene ID

[351](#)

UniProt ID

[P05067](#)