

Product Information

MemDX™ Membrane Protein Human APLP2 (Amyloid beta precursor like protein 2) Full

Length

Cat. No.: **MPC1608K**

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

This product is a 86.9 kDa Human APLP2 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

APLP2

Protein Length

Full length

Protein Class

Protease inhibitor

Molecular Weight

86.9 kDa

TMD

1

Sequence

MAATGTAAAAATGRLLLLLLVGLTAPALALAGYIEALAAANAGTGFAVAEP
QIAMFCGKLNMHVNIQTGKWEPDPTGKSCFETKEEVLQYCQEMYPELQI
TNVMEANQRVSIDNWCRRDKKQCKSRFVTPFKCLVGEFVSDVLLVPEKCQ
FFHKERMEVCENHQHWHTVVKEACLQGMTLYSYGMILLPCGVDQFHGTEY
VCCPQTKIIGSVSKEEEEEEEEEEEEEDEEDYDVYKSEFPTEADLEDFT
EAAVDEDEDEDEEGEEVVEDRDYYYDTFKGDDYNEENPTEPGSDGTMSDK
EITHDVKAVCSQEAMTGPCRAVMPRWYFDLSKGKCVRFIYGGCGGNRRNF
ESEDYCMVCKAMIPPTPLPTNDVDVYFETSADDNEHARFQKAKEQLEIR
HRNRMDRVKKEWEEAELQAKNLPKAERQTLIQHFQAMVKALEKEAASEKQ
QLVETHLARVEAMLNDRRRMALENYLAALQSDPPRPHRILQALRRYVRAE
NKDRLHTIRHYQHVLAVDPEKAAQMKSQVMTHLHVIEERRNQSLSLLYKV
PYVAQEIQEEIDELLQEQRADMDQFTASISETPVDVRSSEESIEPPFH
PFHPFPALPENEDTQPELYHPMKKGSVGGEQDGLIGAEKVINSKNKVD
ENMVIDETLDVKEMIFNAERVGGLEEEERESVGPLREDFSLSSSALIGLLV
IAVAIATVIVISLVMLRKRQYGTISHGIVEVDPMLTPEERHLNKMQNHGY
ENPTYKYLEQMQI

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

APLP2

Full Name

Amyloid beta precursor like protein 2

Introduction

This gene encodes amyloid precursor- like protein 2 (APLP2), which is a member of the APP (amyloid precursor protein) family including APP, APLP1 and APLP2. This protein is ubiquitously expressed. It contains heparin-, copper- and zinc-binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. This protein interacts with major histocompatibility complex (MHC) class I molecules. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. This protein has been implicated in the pathogenesis of Alzheimer's disease. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Alternative Names

APLP2; APPH; APPL2; CDEBP; APLP-2; amyloid-like protein 2; CDEI box-binding protein; amyloid beta (A4) precursor-like protein 2; amyloid precursor protein homolog HSD-2; testicular tissue protein Li 23; Amyloid beta precursor like protein 2

Gene ID

[334](#)

UniProt ID

[Q06481](#)