

Product Information

MemDX™ Membrane Protein Human APLNR (Apelin receptor) Full Length

Cat. No.: **MPC0319K**

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

This product is a 42.6 kDa Human APLNR membrane protein expressed in Baculovirus/Insect expression system. 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

APLNR

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

42.6 kDa

TMD

7

Sequence

MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVL
WTVFRSSREKRRSADIFIASLAVADLTFVVTLPWATYTYRDYDWPFGTF
FCKLSSYLIFVNMYASVFCLTGLSFDRLAIVRPVANARLRLRVSGAVAT
AVLWVLAALLAMPVMVLRTTGDLENTTKVQCYMDYSMVATVSSEWAVEVG
LGVSSSTTVGFVVPFTIMLTCTYFFIAQTIAGHFRKERIEGLRKRRRLSII
VVLVVTFALCWMPYHLVKTLYMLGSLLHWPCDFDLFLMNIFPYCTCISYV
NSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEKSASYSSGH
SQGPGPNMGKGGEQMHEKSIPYSQETLVVD

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal and 10xHis tag at C-terminal

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**

APLNR

Full Name

Apelin receptor

Introduction

This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified.

Alternative Names

APJ; APJR; HG11; AGTRL1; APJ (apelin) receptor; APJ receptor; G protein-coupled receptor APJ; G-protein coupled receptor HG11; HG11 orphan receptor; angiotensin II receptor-like 1; angiotensin receptor-like 1; APLNR; Apelin receptor

Gene ID

[187](#)

UniProt ID

[P35414](#)