

# Product Information

## MemDX™ Membrane Protein Human APLNR (Apelin receptor) with GST-tag for Antibody

### Discovery

Cat. No.: **MP0028X**

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

This product is a 67.54 kDa Human APLNR membrane protein expressed in *in vitro* wheat germ 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

#### Molecular Weight

67.54 kDa

#### TMD

7

#### Sequence

MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLLGTTGNGLVLWTVFRSSREKRRSADIFIASLAVADLTFVVTLP

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

Store at +4°C for up to one week or several months at -80°C

**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**

AGTRL1; APJ; APJR; FLJ90771; MGC45246; APJ (apelin) receptor; angiotensin II receptor-like 1; angiotensin receptor-like 1

**Gene ID**

[187](#)

**UniProt ID**

[P35414](#)