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Product Information

MemDX™ Membrane Protein Human ADGRL1 (Adhesion G protein-coupled receptor L1) for Antibody Discovery

Cat. No.: **MP0650X**
This product is for research use only and is not intended for diagnostic use.

This product is a 47.85 kDa Human ADGRL1 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
ADGRL1

Protein Length
Full-length

Molecular Weight
47.85 kDa

TMD
7

Sequence
MGLASHLERLMAEGKWGGTGVVEGMGMAEEGAGNGKAVWGMGRGKGERSPSLSSTFPQGRRSQVPGLGSGHPCSGRLDPKS

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

ADGRL1

Full Name

Adhesion G protein-coupled receptor L1

Introduction

This gene encodes a member of the latrophilin subfamily of G-protein coupled receptors (GPCR). Latrophilins may function in both cell adhesion and signal transduction. In experiments with non-human species, endogenous proteolytic cleavage within a cysteine-rich GPS (G-protein-coupled-receptor proteolysis site) domain resulted in two subunits (a large extracellular N-terminal cell adhesion subunit and a subunit with substantial similarity to the secretin/calcitonin family of GPCRs) being non-covalently bound at the cell membrane. Latrophilin-1 has been shown to recruit the neurotoxin from black widow spider venom, alpha-latrotoxin, to the synapse plasma membrane. Alternative splicing results in multiple variants encoding distinct isoforms

Alternative Names

CL1; LEC2; CIRL1; LPHN1

Gene ID

22859

UniProt ID

O94910

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