

Product Information

MemDX™ Membrane Protein Human ADGRG1 (Adhesion G protein-coupled receptor G1) for Antibody Discovery

Cat. No.: **MP0978J**

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

This product is a 74.3 kDa Human ADGRG1 membrane protein expressed in HEK293T. 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

ADGRG1

Protein Length

Full-length

Protein Class

Druggable Genome, GPCR, Transmembrane

Molecular Weight

74.3 kDa

TMD

7

Sequence

MTPQSLLQTTLFLLSLLFLVQGAHGRGHREDFRFC SQRNQTHRSSLHYKPTPDLRISIENSEEALTVHAP
FPAAH PASRSFPDPRGLYHFCLYWNRHAGRLHLLYGKRD FLLSDKASSLLCFQHQEESLAQGPPLLATSV
TSWWSPQNISLPSAASFTFSFHSPPH TAAHNASVDMCELKRD LQLLSQFLKHPQKASRRPSAAPASQQLQ
SLESKLT SVRFMGDMVSFEEDRINATVWKLQPTAGLQDLHIHSRQEEEQSEIMEYSVLLPRTL FQRTKGR
RGEAEKRLLLVDFSSQALFQDKNSSQVLGEKVLGIVVQNTKVANL TE PVVLT FQHQLQPKNVT LQCVFWV
EDPTLSSPGHWSSAGCETVRRETQTSCFCNHLTYFAVLMVSSVEVD AVHKHYLSLLSYVGCVV SALACLV
TIAAYLC SRRKPRDYTIKVHMNLLLAVFLLDTSFLLSEPVALTGSEAGCRASAI FLHFSLLTCLSWMGLE
GYNLYRLVVEVFGTYVPGYLLKLSAMGWGFPIFLVTLVALVDVDNYGPIILAVHRTPEGVIYPSMCWIRD
SLVSYITNLGLFSLVFLFNMA MLATMVVQILRLRPHTQKWSHVL TLLGLSLVLGLPWALIFFSFASGTFQ
LVVLYLFSIITSFQGLFIFIWYWSMRLQARGGPSPLKSNSDSARLPISSGSTSSRI

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target**Target Protein**

ADGRG1

Full Name

Adhesion G protein-coupled receptor G1

Introduction

This gene encodes a member of the G protein-coupled receptor family and regulates brain cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria. Alternative splicing results in multiple transcript variants.

Alternative Names

BFPP; BPPR; GPR56; TM7LN4; TM7XN1

Gene ID

[9289](#)

UniProt ID

[Q9Y653](#)