

## Product Information

### **MemDX™ Membrane Protein Human ADGRG1 (Adhesion G protein-coupled receptor G1)**

### **Expressed in CHO for Antibody Discovery, Partial (26-342aa)**

Cat. No.: **MPX0021K**

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

This product is a 36.8 kDa Human ADGRG1 membrane protein expressed in CHO. 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

Partial (26-342aa)

#### Protein Class

GPCR

#### Molecular Weight

36.8 kDa

#### TMD

7

#### Sequence

RGHREDFRFCSQRNQTHRSSLHYKP  
TPDLRISIENSEEALTVHAPFPAAHPASRSFPDPRGLYHFCLYWNRHAGR  
LHLLYGKRDFLSDKASSLLCFQHQEESLAQGPPLLATSVTSWWSPQNIS  
LPSAASFTFSFHSPPHATAAHNASVDMCELKRDQLLSQFLKHPQKASRRP  
SAAPASQQQLQSLESKLTSVRFMGDMVSFEEDRINATVWKLQPTAGLQDLH  
IHSRQEEEQSEIMEYSVLLPRTLFRQTKGRSGEAEKRLLLVDFFSSQALFQ  
DKNSSQVLGEKVLGIVVQNTKVANLTEPVVLTFFQHQLQPKNV

### Product Description

#### Expression Systems

CHO

#### Tag

6xHis tag at the C-terminus

**Protein Format**

Soluble

**Form**

LYOPH

**Reconstitution**

Reconstitute at 100 µg/mL in sterile PBS.

**Endotoxin**

<0.1 EU/µg by the LAL method

**Purity**

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

**Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**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**

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; 7-transmembrane protein with no EGF-like N-terminal domains-1; G protein-coupled receptor 56; testicular tissue protein Li 77; ADGRG1; Adhesion G protein-coupled receptor G1

**Gene ID**

[9289](#)

**UniProt ID**

[Q9Y653](#)