

# Product Information

## **MemDX™ Membrane Protein Human ADGRE2 (Adhesion G protein-coupled receptor E2)**

### **Expressed *in vitro* E.coli expression system, Full Length of Mature Protein**

Cat. No.: **MPX3662K**

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

This product is a Human ADGRE2 membrane protein expressed *in vitro* E.coli 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**

ADGRE2

#### **Protein Length**

Full Length of Mature Protein

#### **Protein Class**

GPCR

#### **TMD**

7

#### **Sequence**

QDSRGCARWCPQDSSCVNATACRCNPGFSSFSEIITTPMETCDDINECATLSKVSCGKFSDCWNTGSGYDCVCSPGYEPVSGAK

### Product Description

#### **Expression Systems**

*in vitro* E.coli expression system

#### **Tag**

10xHis tag at the N-terminus

#### **Protein Format**

Soluble

#### **Form**

Liquid or Lyophilized powder

#### **Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### 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

ADGRE2

#### Full Name

Adhesion G protein-coupled receptor E2

#### Introduction

This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

#### Alternative Names

ADGRE2; VBU; CD97; EMR2; CD312; CD97 antigen; EGF-like module-containing mucin-like hormone receptor-like 2; Leukocyte antigen CD97; egf-like module containing, mucin-like, hormone receptor-like 2; Adhesion G protein-coupled receptor E2

#### Gene ID

[30817](#)

#### UniProt ID

[Q9UHX3](#)