

Product Information

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

Expressed in CHO for Antibody Discovery, Partial (24-478aa)

Cat. No.: **MPX0020K**

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

This product is a 50.5 kDa Human ADGRE2 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

ADGRE2

Protein Length

Partial (24-478aa)

Protein Class

GPCR

Molecular Weight

50.5 kDa

TMD

7

Sequence

QDSRGCARWCPQDSSCVNATACRCNPG
FSSFSEIITTPMETCDDINECATLSKVSCGKFSDCWNTEGSYDCVCSPGY
EPVSGAKTFKNESENTCQDVDECQQNPRLCKSYGTCVNTLGSYTCQCLPG
FKLKPEDPKLCTDVNCTSGQNPCHSSTHCLNNVGSYQCRPCRPGWQPIPG
SPNGPNNTVCEDEVDECSSGQHQCDSSTVCFNTVGSYSCRCRPGWKPRHGI
PNNQKDTVCEDMTFSTWTPPPGVHSQTLRFFDKVQDLGRDYKPGLANNT
IQSILQALDELLEAPGDLETLPRLQQHCVASHLLDGLDVLRLGLSKNLSN
GLLNFSYPAGTELSLEVQKQVDRSVTLRQNAVMQLDWNQAQKSGDPGPS
VVGLVSIPGMGKLLAEAPLVLEPEKQMLLHETHQGLLDGSPILLSDVIS
AFLSNNDTQNLSSPVTFTFSHRSVIPRQ

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**

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

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; ADGRE2; Adhesion G protein-coupled receptor E2

Gene ID

[30817](#)

UniProt ID

[Q9UHX3](#)