

Product Information

MemDX™ Membrane Protein Human ADGRE5 (Adhesion G protein-coupled receptor E5)

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

Cat. No.: **MPX2950K**

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

This product is a Human ADGRE5 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

ADGRE5

Protein Length

Full Length of Mature Protein

Protein Class

GPCR

TMD

7

Sequence

SSFAILMAHYDVEDWKLTLITRVGLALSLFCLLLCILTFLLRPIQGSRTTIHLHLCLCLFVGSTIFLAGIENEGGQVGLRCRLVAGLLHY

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

ADGRE5

Full Name

Adhesion G protein-coupled receptor E5

Introduction

This gene encodes a member of the EGF-TM7 subfamily of adhesion G protein-coupled receptors, which mediate cell-cell interactions. These proteins are cleaved by self-catalytic proteolysis into a large extracellular subunit and seven-span transmembrane subunit, which associate at the cell surface as a receptor complex. The encoded protein may play a role in cell adhesion as well as leukocyte recruitment, activation and migration, and contains multiple extracellular EGF-like repeats which mediate binding to chondroitin sulfate and the cell surface complement regulatory protein CD55.

Expression of this gene may play a role in the progression of several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms with 3 to 5 EGF-like repeats have been observed for this gene. This gene is found in a cluster with other EGF-TM7 genes on the short arm of chromosome 19.

Alternative Names

ADGRE5; CD97; TM7LN1; CD97 molecule; leukocyte antigen CD97; seven transmembrane helix receptor; seven-span transmembrane protein; seven-transmembrane, heterodimeric receptor associated with inflammation; Adhesion G protein-coupled receptor E5

Gene ID

[976](#)

UniProt ID

[P48960](#)