

PRODUCT INFORMATION

Tag C-Flag&Strep Tag

Target ADGRE5

Synonyms CD97; TM7LN1

DescriptionHuman ADGRE5-Strep full length protein-

synthetic nanodisc

Delivery 6~8weeks
Uniprot ID P48960

Expression Host HEK293

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways N/A

Background

Molecular Weight

The human full length ADGRE5-Strep protein has

a MW of 90.5 kDa

Formulation & Reconstitution

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at 20°C for 12 months in

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and

Storage & Shipping intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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

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

other EGF-1M7 genes on the short arm of chromosome 19.

Usage Research use only
Conjugate Unconjugated

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