

HUMAN ADGRE5 FULL LENGTH PROTEIN

Cat.#: 11098

Product Name: Human ADGRE5 Full Length Protein

Size: 10 µg; 50 µg and 100 µg

Synonyms: CD97; TM7LNI

Target: ADGRE5

UNIPROT ID: P48960

Description: Human ADGRE5 Full Length Protein-Synthetic Nanodisc

Background: 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.

Species/Host: HEK293

Molecular Weight: The human full length ADGRE5 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.

Storage & Shipping: 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 store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: N/A

ELISA assay to evaluate ADGRE5-Nanodisc 0.2µg Human ADGRE5-Nanodisc per well

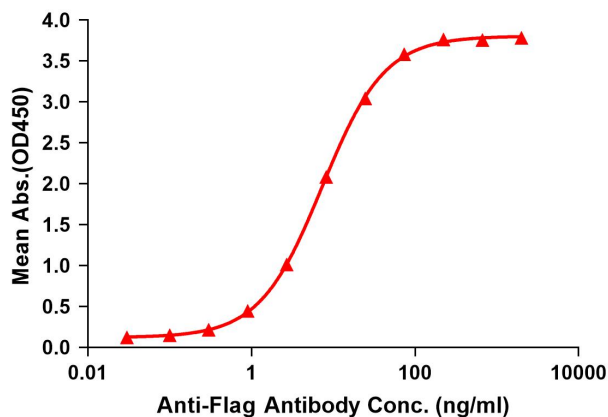


Figure 1. Elisa plates were pre-coated with Flag Tag ADGRE5-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRE5-Nanodisc is 7.327ng/ml.

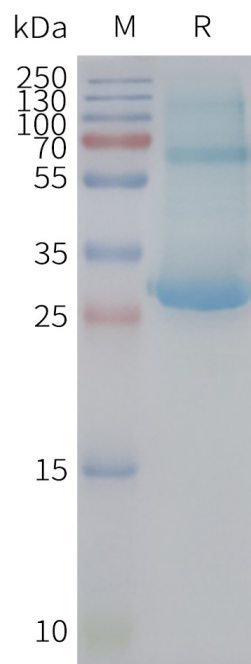


Figure 2. Human ADGRE5-Nanodisc, Flag Tag on SDS-PAGE