HUMAN GPR77 FULL LENGTH PROTEIN

Cat.#: 11050
Product Name: Human GPR77 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: C5L2; GPF77; GPR77
Target: C5AR2
UNIPROT ID: Q9P296
Description: Human GPR77 full length protein-synthetic nanodisc
Background: This gene encodes a G-protein coupled receptor 1 family member involved in the complement system of the innate immune response. Unlike classical G-protein coupled receptors, the encoded protein does not associate with intracellular G-proteins. It may instead modulate signal transduction through the beta-arrestin pathway, and may alternatively act as a decoy receptor. This gene may be involved in coronary artery disease and in the pathogenesis of sepsis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]
Species/Host: HEK293
Molecular Weight: The human full length C5AR2 protein has a MW of 36.1 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.

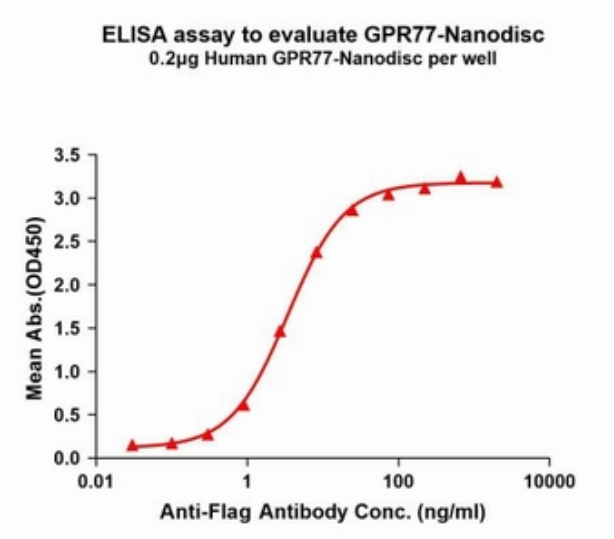

Figure1. Elisa plates were pre-coated with Flag Tag GPR77-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR77-Nanodisc is 3.415ng/ml.

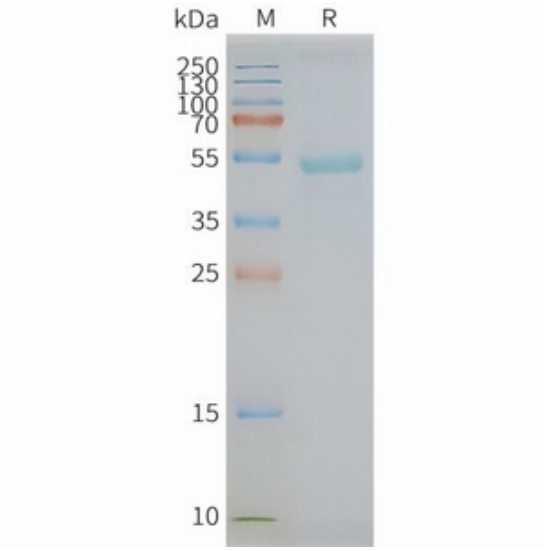

Figure2. Human GPR77-Nanodisc, Flag Tag on SDS-PAGE