HUMAN PROKR1 FULL LENGTH PROTEIN

Cat.#: 11083
Product Name: Human PROKR1 Full Length Protein
Size : 10 µg; 50 µg and 100 µg
Synonyms: GPR73;GPR73a;PK-R1;PKR1;ZAQ
Target: PROKR1
UNIPROT ID: Q8TCW9
Description: Human PROKR1 Full Length Protein-Synthetic Nanodisc
Background: A member of the G-protein-coupled receptor family. The encoded protein binds to prokineticins (1 and 2), leading to the activation of MAPK and STAT signaling pathways. Prokineticins are protein ligands involved in angiogenesis and inflammation. The encoded protein is expressed in peripheral tissues such as those comprising the circulatory system, lungs, reproductive system, endocrine system and the gastrointestinal system. The protein may be involved in signaling in human fetal ovary during initiation of primordial follicle formation. Sequence variants in this gene may be associated with recurrent miscarriage.
Species/Host: HEK293
Molecular Weight: The human full length PROKR1 protein has a MW of 44.8 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 -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Protein Families: Druggable Genome, GPCR, Transmembrane
Protein Pathways: N/A

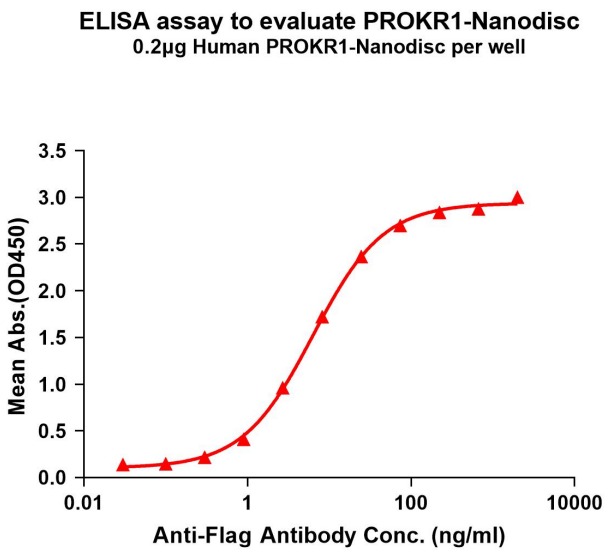

Figure 1. Elisa plates were pre-coated with Flag Tag PROKR1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with PROKR1-Nanodisc is 6.323ng/ml.

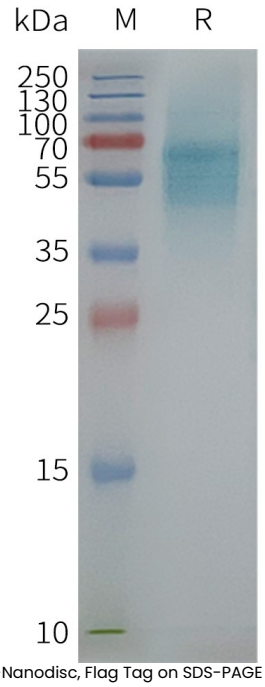

Figure 2. Human PROKR1-Nanodisc, Flag Tag on SDS-PAGE