HUMAN ACKR3 FULL LENGTH PROTEIN

Cat.#: 11076
Product Name: Human ACKR3 Full Length Protein
Size : 10 µg; 50 µg and 100 µg
Synonyms: ACKR3; CMKOR1; CXC-R7; CXCR-7; GPR159; RDC-1; RDC1
Target: CXCR7
UNIPROT ID: P25106
Description: Human CXCR7 Full Length Protein-Synthetic Nanodisc
Background: A member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas.
Species/Host: HEK293
Molecular Weight: The human full length CXCR7 protein has a MW of 41.5 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

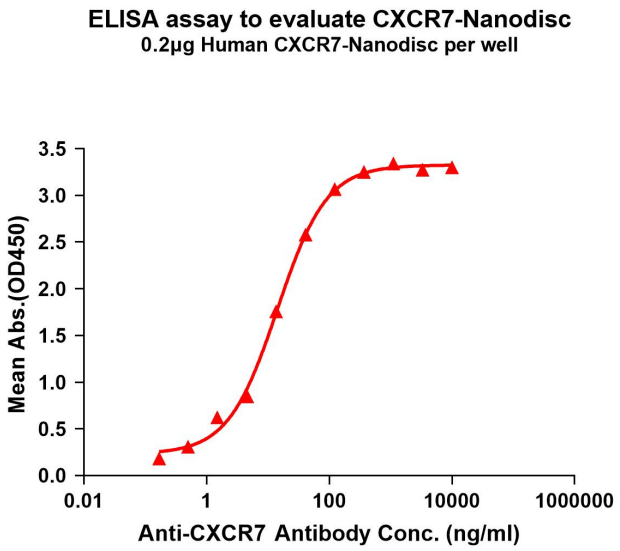

Figure 1. Elisa plates were pre-coated with Flag Tag CXCR7-Nanodisc (0.2µg/per well). Serial diluted anti-CXCR7 monoclonal antibody (28231) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CXCR7 monoclonal antibody binding with CXCR7-Nanodisc is 14.28ng/ml.

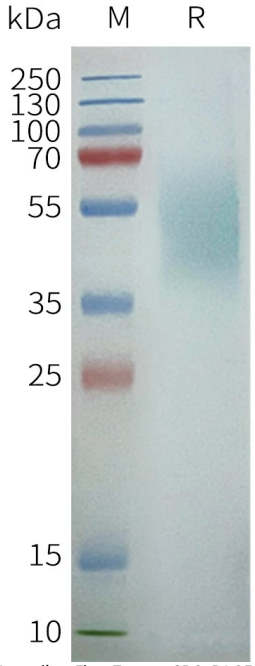

Figure 2. Human CXCR7-Nanodisc, Flag Tag on SDS-PAGE