HUMAN NTSR1 FULL LENGTH PROTEIN

Cat.#: 11112
Product Name: Human NTSR1 Full Length Protein
Size : 10 µg; 50 µg and 100 µg
Synonyms: NTR
Target: NTSR1
UNIPROT ID: P30989
Description: Human NTSR1 Full Length Protein-Synthetic Nanodisc
Background: Neurotensin receptor 1 belongs to the large superfamily of G-protein coupled receptors. NTSR1 mediates the multiple functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion.
Species/Host: HEK293
Molecular Weight: The human full length NTSR1 protein has a MW of 46.1 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.
Protein Families: Druggable Genome, GPCR, Transmembrane
Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

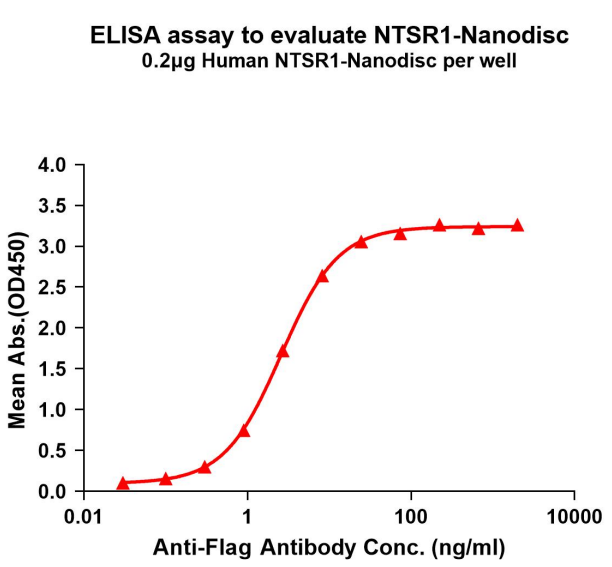

Figure 1. Elisa plates were pre-coated with Flag Tag NTSR1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with NTSR1-Nanodisc is 2.583ng/ml.

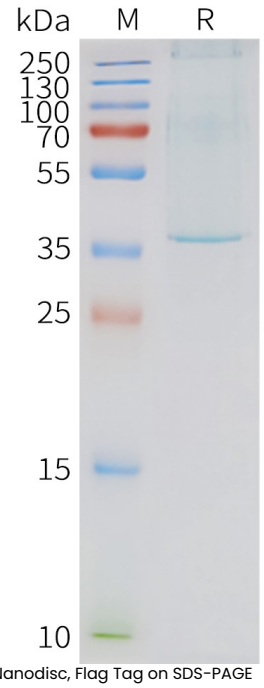

Figure 2. Human NTSR1-Nanodisc, Flag Tag on SDS-PAGE