HUMAN SSTR2 FULL LENGTH PROTEIN

Cat.#: 11003
Product Name: Human SSTR2 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: SS-2-R; SS2-R; SS2R; SST2
Target: SSTR2
UNIPROT ID: P30874
Description: Human SSTR2 full length protein-synthetic nanodisc
Background: Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney.
Species/Host: HEK293
Molecular Weight: The human full length SSTR2 Protein has a MW of 41.2 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.

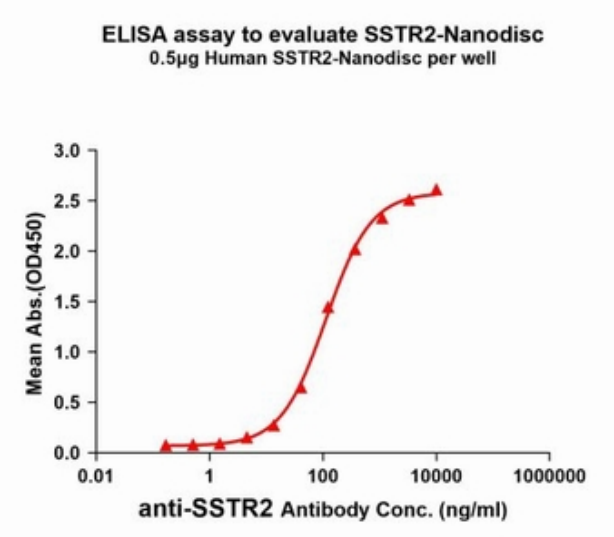

Figure1. Elisa plates were added with His/Flag Tag SSTR2-Nanodisc (0.5 μg/per well) on an anti-Flag monoclonal antibody pre-coated (0.5 μg/per well) plate. Serial diluted anti-SSTR2 monoclonal antibody (28122) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SSTR2 monoclonal antibody binding with SSTR2-Nanodisc is 113.2ng/ml.

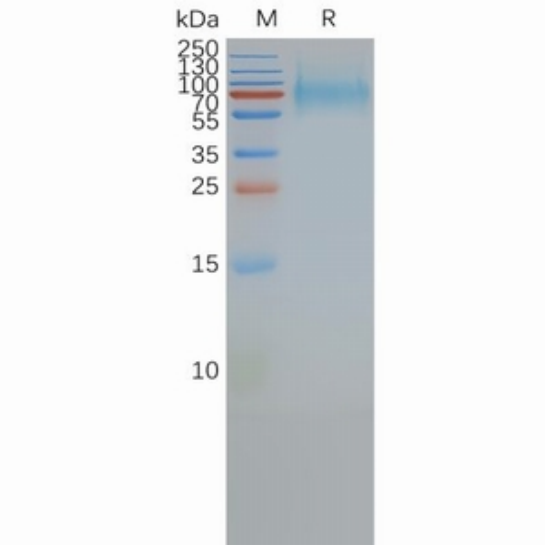

Figure2. Human SSTR2-Nanodisc, His/Flag Tag on SDS-PAGE