

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.

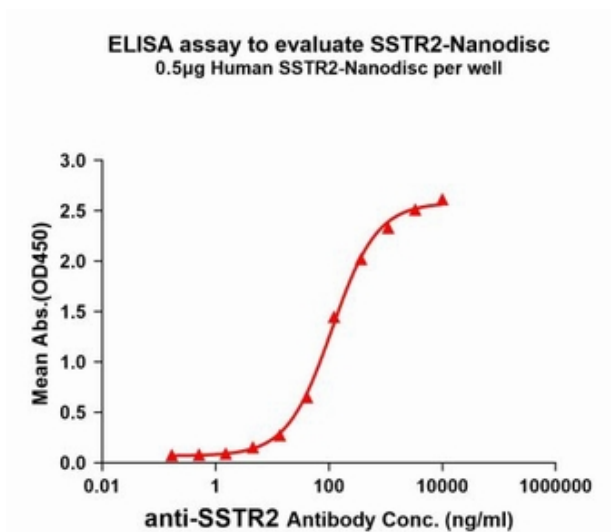


Figure1. Elisa plates were added with His/Flag Tag SSTR2-Nanodisc (0.5 µg/per well) on an anti-Flag monoclonal antibody pre-coated (0.5 µg/per well) plate. Serial diluted anti-SSTR2 monoclonal antibody (28122) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From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

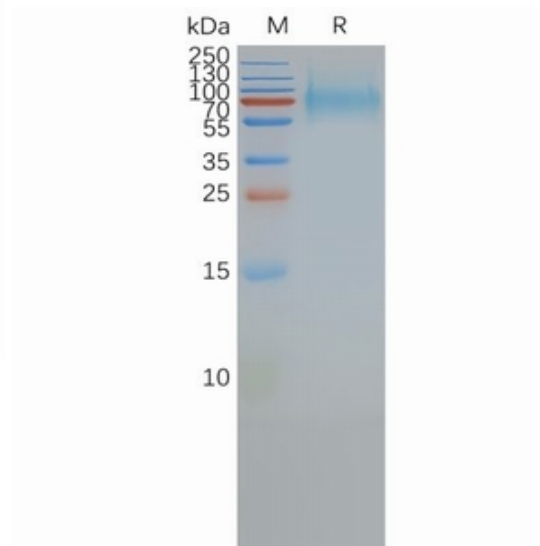


Figure2. Human SSTR2-Nanodisc, His/Flag Tag on SDS-PAGE