

HUMAN SSTR2 PROTEIN, HFC TAG**Cat.#:** 11591**Product Name:** Human SSTR2 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** SRIF-1;SS2R**Target:** SSTR2**UNIPROT ID:** P30874**Description:** Recombinant human SSTR2 protein with C-terminal human Fc tag**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. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 30.9 kDa after removal of the signal peptide. The apparent molecular mass of SSTR2-hFc is approximately 40-55 kDa due to glycosylation.**Molecular Characterization:** SSTR2(Met1-Asn43) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**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.

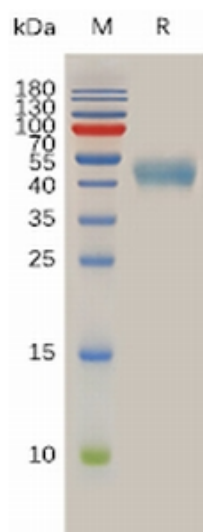


Figure 1. Human SSTR2 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human SSTR2, hFc Tagged protein ELISA

0.2 µg of Human SSTR2, hFc tagged protein per well

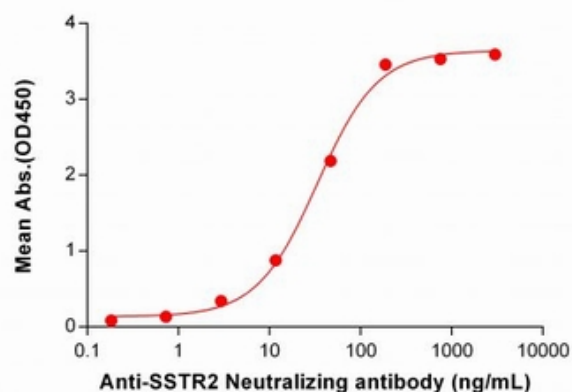


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human SSTR2 Protein, hFc Tag (11591) can bind Anti-SSTR2 Neutralizing antibody 28122 in a linear range of 2.93-187.50 ng/mL.