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.

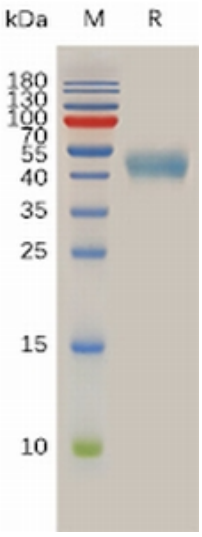

Figure 1. Human SSTR2 Protein, hFc Tag on SDS-PAGE under reducing condition.

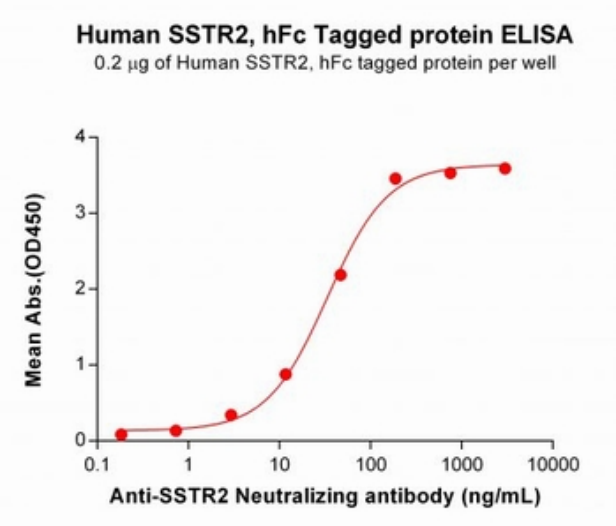

Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human SSTR2 Protein, hFc Tag (11591) can bind Anti-SSTR2 Neutralizing antibody 28122 in a linear range of 2.93-187.50 ng/mL.