

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	SSTR2
Synonyms	SS-2-R; SS2-R; SS2R; SST2
Description	Human SSTR2-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P30874
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length SSTR2-Strep Protein has a MW of 41.2 kDa 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. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Formulation & Reconstitution	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.
Storage & Shipping	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.
Background	
Usage	Research use only
Conjugate	Unconjugated



**ELISA assay to evaluate SSTR2-Strep-Nanodisc**  
0.2µg Human SSTR2-Strep-Nanodisc per well

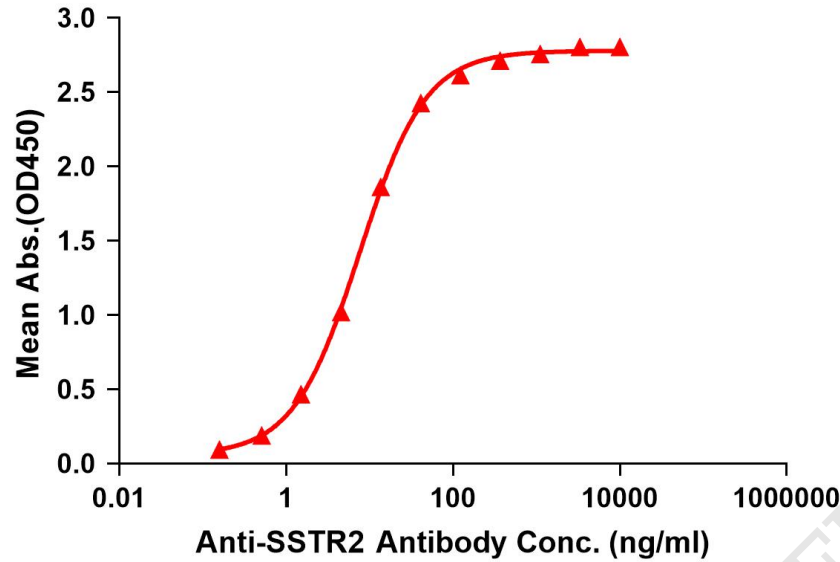


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag SSTR2-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-SSTR2 monoclonal antibody (BME100127) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SSTR2 monoclonal antibody binding with SSTR2-Strep-Nanodisc is 7.615ng/ml.



Figure 2. Human SSTR2-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

