

# Biotinylated Human SSTR2 Protein-Nanodisc

Cat. No. STR-HM4N159B

## Description

<b>Source</b>	Recombinant Biotinylated Human SSTR2 Protein-Nanodisc is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Met1-Ile369.
<b>Accession</b>	P30874-1
<b>Molecular Weight</b>	The protein has a predicted MW of 44.80 kDa.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for immunization and flow cytometry in mammalian cells.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

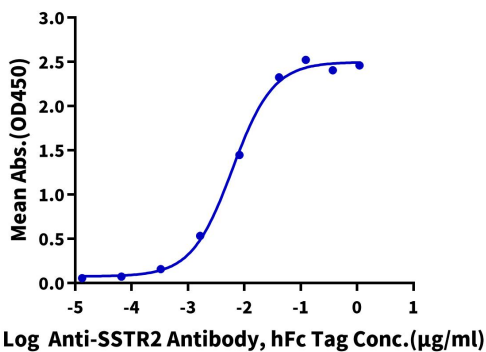
Somatostatin receptor (SSTR) 2, widely expressed in meningioma, is a G-protein-coupled receptor and can be activated by somatostatin or its synthetic analogs. SSTR2 is therefore extensively studied as a marker and target for the diagnosis and treatment of meningioma.

## Assay Data

### ELISA Data

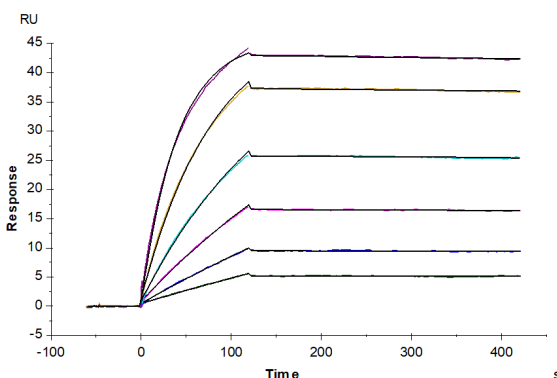
#### Biotinylated Human SSTR2 Nanodisc, His Tag ELISA

0.2µg Biotinylated Human SSTR2 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human SSTR2 Nanodisc, His Tag at 2µg/ml(100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-SSTR2 Antibody, hFc Tag with the EC50 of 6.1ng/ml determined by ELISA (QC Test).

### SPR Data



Biotinylated Human SSTR2 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-SSTR2 Antibody, hFc Tag with an affinity constant of 87.57 pM as determined in SPR assay (Biacore T200).