

# Human SSTR2 Protein-Nanodisc

Cat. No. STR-HM1N1



## Description

Source	Recombinant Human SSTR2 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Ile369.
Accession	P30874-1
Molecular Weight	The protein has a predicted MW of 42.70 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.

## Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 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

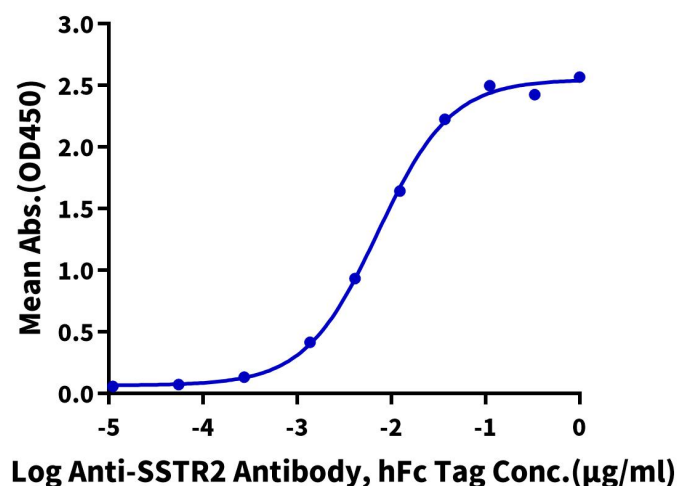
Somatostatin receptor (SSTR) 2, widely expressed in meningioma, is a G-protein-coupled receptor and can be activated by somatostatin or its synthetic analogs. SSTR2 is therefore extensively studied as a marker and target for the diagnosis and treatment of meningioma.

## Assay Data

### ELISA Data

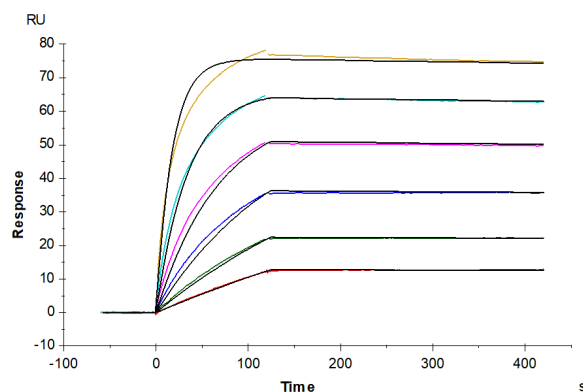
#### Human SSTR2 Nanodisc, His Tag ELISA

0.2µg Human SSTR2 Nanodisc, His Tag Per Well



Immobilized Human SSTR2 Nanodisc, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-SSTR2 Antibody, hFc Tag with the EC<sub>50</sub> of 7.2ng/ml determined by ELISA (QC Test).

### SPR Data



Human SSTR2 Nanodisc, His Tag captured on CM5 Chip via Anti-His Antibody can bind Anti-SSTR2 Antibody, hFc Tag with an affinity constant of 91.88 pM as determined in SPR assay (Biacore T200).