

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 1EU 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 immunization and flow cytometry in mammalian cells.
Storage	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

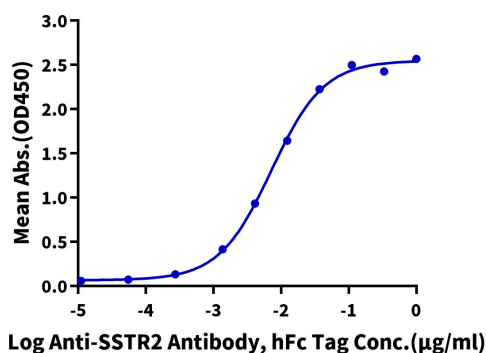
Somatostatin receptor (SSTR) 2, widely expressed in meningioma, is a G-protein-coupled receptor and can be activated by somatostatin or its synthetic analogs. SSTR2 is therefore extensively studied as a marker and target for the diagnosis and treatment of meningioma.

Assay Data

ELISA Data

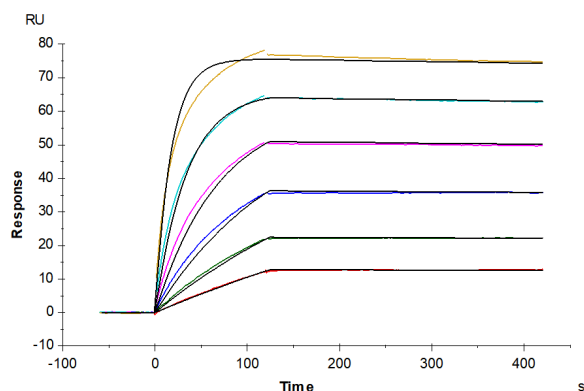
Human SSTR2 Nanodisc, His Tag ELISA

0.2 μg Human SSTR2 Nanodisc, His Tag Per Well



Immobilized Human SSTR2 Nanodisc, His Tag at 2 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) on the plate. Dose response curve for Anti-SSTR2 Antibody, hFc Tag with the EC50 of 7.2 ng/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).