Biotinylated Human SSTR2 Nanodisc

Cat. No. STR-HM10N

Description

Source	Recombinant Biotinylated Human SSTR2 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 54.30 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.

Formulation and Storage

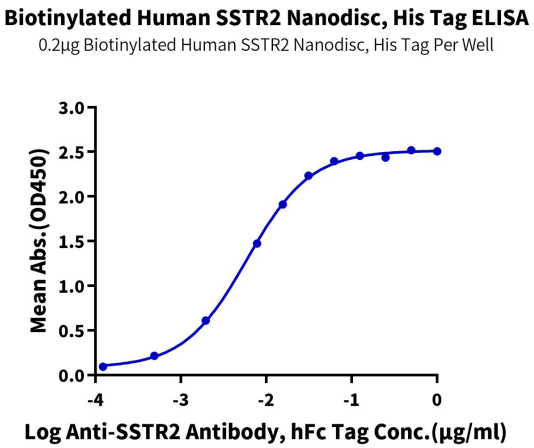
Formulation	Supplied as 0.22 μm filtered solution in PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please 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.

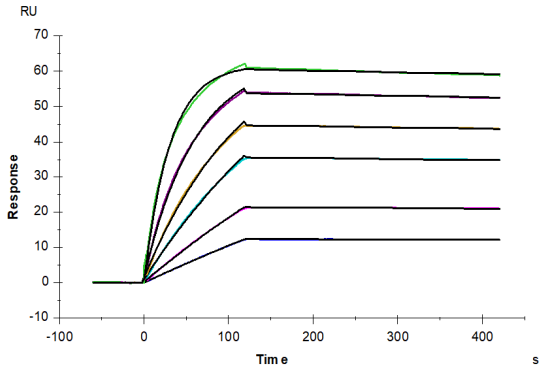
Assay Data

ELISA Data



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 6.0ng/ml determined by ELISA.

SPR Data



Biotinylated Human SSTR2 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-SSTR2 Antibody, hFc-Avi Tag with an affinity constant of 0.23 nM as determined in SPR assay (Biacore S200).