

Somatostatin receptor type 2 (SSTR2) Recombinant Protein | SSTR2 recombinant protein

Recombinant Human Somatostatin receptor type 2 (SSTR2)-VLPs (Active)

CATALOG #
AAA279273

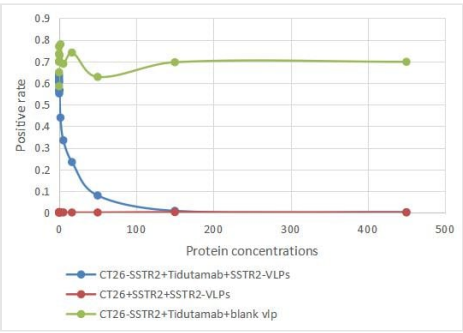
HOST
Mammalian cell

PRODUCT SYNONYMS

Somatostatin receptor type 2 (SSTR2); Recombinant Human Somatostatin receptor type 2 (SSTR2)-VLPs (Active); SSTR2; Somatostatin receptor type 2; SS-2-R; SS2-R; SS2R; SRIF-1; SSTR2 recombinant protein

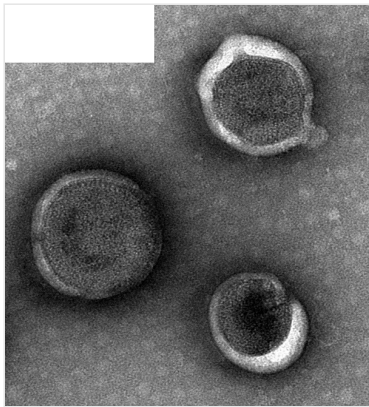
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-369aa; Full Length
Sequence	MDMADEPLNG SHTWLSIPFD LNGSVVSTNT SNQTEPYDYDL TSNVLTFIY FVVCIIGLCG NTLVIYVILR YAKMKTITNI YILNLIAIDE LFMLGLPFLA MQVALVHWPF GKAICRVVMT VDGINQFTSI FCLTVMSIDR YLAVVHPIKS AKWRRRPRTAK MITMAVWGVV LLVILPIMIY AGLRSNQWGR SSCTINWPGE SGAWYTGFI YTFILGFLVP LTIICLCYLF IIKVKSSGI RVGSSKRKKS EKKVTRMVIS VVAVFICWL PFYIFNVSSV SMAISPTPAL KGMFDFVVVL TYANSCANPI LYAFLSDNFK KSFQNVLCV KVGSTDDGER SDSKQDKSRL NETTETQRTL LNGDLQTSI
Species	Homo sapiens (Human)
Tag	C-terminal 6xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	CancerLess than 1.0 EU/ug as determined by LAL method.
Transmembrane Domain	7TM
Biological_Activity	Measured by its binding ability in a functional ELISA. Immobilized Human SSTR2 at 10 ug/ml can bind Anti-SSTR2 recombinant antibody, the EC50 is 58.13-81.28 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).



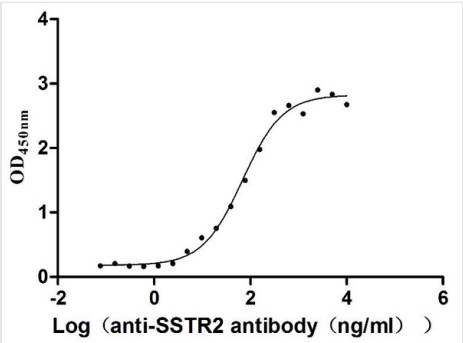
Application Data

Blocking experiment on Anti-SSTR2 antibody between Human SSTR2-VLPs protein and CT26/Human SSTR2 Stable Cells by Flow cytometry.



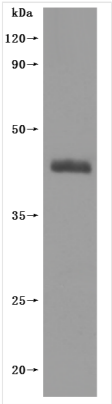
Application Data

The presence of VLP-like structures was confirmed by TEM



Bioactivity

Activity Measured by its binding ability in a functional ELISA. Immobilized Human SSTR2 at 10 ug/ml can bind Anti-SSTR2 recombinant antibody, the EC50 is 58.13-81.28 ng/mL.



Application Data

is detected by Mouse anti-6*His monoclonal antibody.

ADDITIONAL INFORMATION

Product Categories/Family for SSTR2 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	401126
NCBI GeneID	6752
UniProt Accession #	P30874; Q4VBP0; Q96GE0; Q96TF2; Q9BWH1; A8K3Y0; B2R9P7
Molecular Weight	369
NCBI Official Full Name	Somatostatin receptor type 2
NCBI Official Synonym Full Names	somatostatin receptor 2
NCBI Official Symbol	SSTR2
NCBI Protein Information	somatostatin receptor type 2; SS2R; SRIF-1
UniProt Protein Name	Somatostatin receptor type 2
UniProt Gene Name	SSTR2
UniProt Synonym Gene Names	SS-2-R; SS2-R; SS2R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ssr2-recombinant-protein-mammalian-cell/279273>