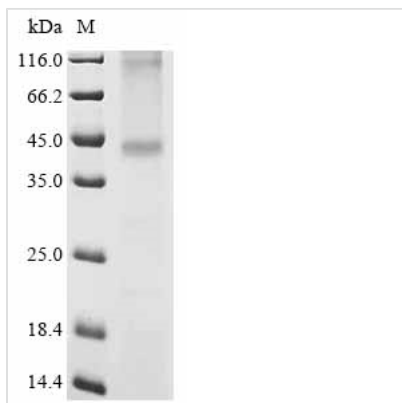


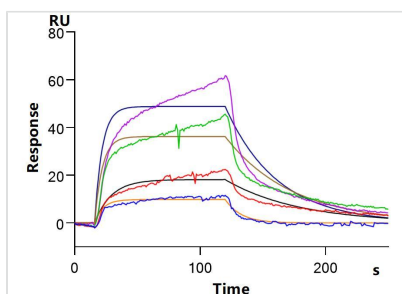


Recombinant Human Somatostatin receptor type 2 (SSTR2) (Active)

Product Code	CSB-CF022725HU
Abbreviation	Recombinant Human SSTR2 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P30874
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Human SSTR2 Full Length Protein captured on LifeDisc™ COOH chip (in presence of FOS-12) can bind [Tyr3]Octreotate with an affinity constant of 22.9 μM as detected by MetaSPR Assay (WeSPRTM One).
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MDMADEPLNGSHTWLSIPFDLNGSVVSTNTSNQTEPYDLTSSNAVLTFIYFVV CIIGLCGNTLVIYVILRYAKMKTITNIYILNLAIADLFMLGLPFLAMQVALVHWPF GKAICRVVMTVDGINQFTSIFCLTVMSIDRYLAVVHPIKSAKWRRPRTAKMITM AVWGVSLLVILPIMYAGLRSNQWGRSSCTINWPGESGAWYTGFIIYTFILGFLV PLTIICLCYLFIIKVKSSGIRVGSSKRKKSEKKVTRMVSIVVAVFICWLPFYIFNV SSVSMAISPTPALKGMFDFVVVLTYSANSCANPILYAFLSDNFKKSFQNVLCCLVK VSGTDDGERSDSKQDKSRLNETTETQRTLLNGDLQTSI
Research Area	Cancer
Source	in vitro E.coli expression system
Target Names	SSTR2
Expression Region	1-369aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	47.4 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

Human SSTR2 Full Length Protein captured on LifeDisc™ COOH chip (in presence of FOS-12) can bind [Tyr3]Octreotate with an affinity constant of 22.9 μ M as detected by MetaSPR Assay (WeSPR™ One).

Reconstitution

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. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.