

Datasheet for ABIN7555615
SSTR2 Protein (AA 1-369) (His tag)



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Overview

Quantity:	1 mg
Target:	SSTR2
Protein Characteristics:	AA 1-369
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SSTR2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SSTR2 Protein expressed in mammalian cells.
Sequence:	MDMADEPLNG SHTWLSIPFD LNGSVVSTNT SNQTEPYDL TSNVLTFIY FVVCIIIGLCG NTLVIIYVILR YAKMKTITNI YILNLIAIDE LFMLGLPFLA MQVALVHWPFGKAI CRVVM T VDGINQFTSI FCLTVMSIDR YLAVVHPIKS AKWRRPRTAK MITMAVWGVS LLVILPIMIY AGLRSNQWGR SSCTINWPGE SGAWYTGFI YTFILGFLVP LTIICLCYLF IIIKVKSSGI RVGSSKRKKS EKKVTRM VSI VVAVFIFCWL PFYIFNVSSV SMAISPTPAL KGMFDFVVVL TYANSCANPI LYAFLSDNFK KSFQNVLC LV KVSGTDDGER SDSKQDKSRL NETTETQRTL LNGDLQTSI Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SSTR2
Alternative Name:	SSTR2 (SSTR2 Products)
Background:	<p>Somatostatin receptor type 2 (SS-2-R) (SS2-R) (SS2R) (SST2) (SRIF-1),FUNCTION: Receptor for somatostatin-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. Inhibits calcium entry by suppressing voltage-dependent calcium channels. Acts as the functionally dominant somatostatin receptor in pancreatic alpha- and beta-cells where it mediates the inhibitory effect of somatostatin-14 on hormone secretion. Inhibits cell growth through enhancement of MAPK1 and MAPK2 phosphorylation and subsequent up-regulation of CDKN1B. Stimulates neuronal migration and axon outgrowth and may participate in neuron development and maturation during brain development. Mediates negative regulation of insulin receptor signaling through PTPN6. Inactivates SSTR3 receptor function following heterodimerization.</p> <p>{ECO:0000269 PubMed:15231824, ECO:0000269 PubMed:18653781, ECO:0000269 PubMed:19434240, ECO:0000269 PubMed:22495673, ECO:0000269 PubMed:22932785}.</p>

Target Details

Molecular Weight: 41.3 kDa

UniProt: [P30874](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months