

Datasheet for ABIN7555654
STRA6 Protein (AA 1-667) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	STRA6
Protein Characteristics:	AA 1-667
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STRA6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant STRA6 Protein expressed in mammalian cells.
Sequence:	MSSQPAGNQT SPGATEDYSY GSWYIDEPQG GEELQPEGEV PSCHTSIPPG LYHACLASLS ILVLLLLAML VRRRQLWPDC VRGRPGLPSP VDFLAGDRPR AVPAAVFMVL LSSLCLLLPD EDALPFLTLA SAPSQDGKTE APRGAWKILG LFYYAALYYP LAACATAGHT AAHLLGSTLS WAHLGVQVWQ RAECQPVPKI YKYSSLASL PLLGLGFLS LWYPVQLVRS FSRRTGAGSK GLQSSYSEFY LRNLLCRKKL GSSYHTSKHG FLSWARVCLR HCIYTPQPGF HLPLKLVLSA TLTGTAIYQV ALLLLVGVPV TIQKVRAGVT TDVSYLLAGF GIVLSEDKQE VVELVKHHLW ALEVCYISAL VLSCLLTLV LMRSLVTHRT NLRALHRGAA LDLSPLHRSP HPSRQAIFCW MSFSAYQTAF ICLGLLVQQI IFFLGTTALA FLVLMPLVHG RNLLLFRSLE SSWPFWLTLA LAVILQNMAA HWWFLETHDG HPQLTNRRVL YAATFLLFPL NVLVGAMVAT WRVLLSALYN AIHLGQMDLS LLPPRAATLD PGYYTYRNFL KIEVSQSHPA MTAFCSLLLQ AQSLLPRTMA APQDSL RPGE EDEGMQLLQT KDSMAKGARP GASRGRARWG LAYTLLHNPT LQVFRKTALL GANGAQP Sequence without tag. The proposed Purification-Tag is based on experiences

Product Details

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:

- 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: STRA6

Alternative Name: STRA6 ([STRA6 Products](#))

Background: Receptor for retinol uptake STRA6 (Retinol-binding protein receptor STRA6) (Stimulated by retinoic acid gene 6 protein homolog),FUNCTION: Functions as a retinol transporter. Accepts all-trans retinol from the extracellular retinol-binding protein RBP4, facilitates retinol transport across the cell membrane, and then transfers retinol to the cytoplasmic retinol-binding protein RBP1 (PubMed:9452451, PubMed:18316031, PubMed:22665496). Retinol uptake is enhanced by LRAT, an enzyme that converts retinol to all-trans retinyl esters, the storage forms of vitamin A (PubMed:18316031, PubMed:22665496). Contributes to the activation of a signaling cascade that depends on retinol transport and LRAT-dependent generation of retinol metabolites that then trigger activation of JAK2 and its target STAT5, and ultimately increase the expression of

Target Details

SOCS3 and inhibit cellular responses to insulin (PubMed:21368206, PubMed:22665496). Important for the homeostasis of vitamin A and its derivatives, such as retinoic acid (PubMed:18316031). STRA6-mediated transport is particularly important in the eye, and under conditions of dietary vitamin A deficiency (Probable). Does not transport retinoic acid (PubMed:18316031). {ECO:0000269|PubMed:18316031, ECO:0000269|PubMed:21901792, ECO:0000269|PubMed:22665496, ECO:0000269|PubMed:9452451, ECO:0000305}.

Molecular Weight: 73.5 kDa

UniProt: [Q9BX79](#)

Pathways: [Feeding Behaviour](#)

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