

Datasheet for ABIN7562555  
**STRA6 Protein (AA 1-670) (His tag)**



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## Overview

Quantity:	1 mg
Target:	STRA6
Protein Characteristics:	AA 1-670
Origin:	Mouse
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:	MESQASENGS QTSSGVTDDY SSWYIEEPLG AEEVQPEGVI PLCQLTAPPA LLHACLASLS FLVLLLLALL VRRRRLWPRC GHRGLGLPSP VDFLAGDLSW TVPAAVFWL FSNLCLLLPD ENPLPFLNLT AASSPDGEME TSRGPWKLLA LLYYPALYYP LAACASAGHQ AAFLLGTVLS WAHFGVQVWQ KAECQPDKI YKHYSLLASL PLLLGLGFLS LWYPVQLVQS LRHRTGAGSQ GLQTSYSEKY LRTLLCPKKL DSCSHPASKR SLLSRAWAFS HHSIYTPQPG FRLPLKLVIS ATLTGTATYQ VALLLLVSVV PTVQKVRAGI NTDVSYLLAG FGIVLSEDRQ EVVELVKHHL WTVEACYISA LVLSCASTFL LLIRSLRTHR ANLQALHRGA ALDLDPPLQS IHPSRQAIVS WMSFCAYQTA FSCLGLLVQQ VIFFLGTTSL AFLVFPVPLH GRNLLLLRSL ESTWPFWLTV ALAVILQANIA ANWIFLRTHH GYPELTNRRM LCVATFLLFP INMLVGAIMA VWRVLISSLY NTVHLGQMDL SLLPQRAASL DPGYHTYQNF LRIEASQSHV GVIAFCALLL HAPSPQPRPP LAPQDSL RPA EEEEGMQLLQ TKDLMAKGAG HKGSQSRARW GLAYTLLHNP SLQAFRKAAL TSAKANGTQP <b>Sequence without tag. The proposed Purification-Tag is based on</b>

## Product Details

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**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.**

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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.

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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.

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

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Grade: custom-made

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## Target Details

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Target: STRA6

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Alternative Name: Stra6 ([STRA6 Products](#))

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Background: Receptor for retinol uptake STRA6 (Retinoic acid-responsive protein) (Retinol-binding protein receptor STRA6) (Stimulated by retinoic acid gene 6 protein),FUNCTION: Functions as a retinol transporter (PubMed:23839944, PubMed:24852372). 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. Retinol uptake is enhanced by LRAT, an enzyme that converts retinol to all-trans retinyl esters, the storage forms of vitamin A (By similarity). 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 SOCS3 and

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## Target Details

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inhibit cellular responses to insulin (PubMed:21368206, PubMed:23839944). Important for the homeostasis of vitamin A and its derivatives, such as retinoic acid and 11-cis-retinal (PubMed:22467576, PubMed:24852372). STRA6-mediated transport is particularly important in the eye, and under conditions of dietary vitamin A deficiency (PubMed:22467576, PubMed:23839944, PubMed:24852372). Does not transport retinoic acid (By similarity). {ECO:0000250|UniProtKB:Q9BX79, ECO:0000269|PubMed:21368206, ECO:0000269|PubMed:22467576, ECO:0000269|PubMed:23839944, ECO:0000269|PubMed:24852372}.

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Molecular Weight: 73.8 kDa

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UniProt: [O70491](#)

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Pathways: [Feeding Behaviour](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months