

Datasheet for ABIN7545962  
**SLC5A5 Protein (AA 1-643) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC5A5
Protein Characteristics:	AA 1-643
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC5A5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC5A5 Protein expressed in mammalian cells.
Sequence:	MEAVETGERP TFGAWDYGVF ALMLLVSTGI GLWVGLARGG QRSAEDFFTG GRRLAALPVG LSLSASFMSA VQVLGVPSEA YRYGLKFLWM CLGQLLNSVL TALLFMPVFY RLGLTSTYEY LEMRFSAVR LCGTLQYIVA TMLYTGIVYIY APALILNQVT GLDIWASLLS TGIICTFYTA VGGMKAVVWT DVFQVVMLS GFVVVLARGV MLVGGPRQVL TLAQNHSRIN LMDFNPDPRS RYTFWTFVVG GTLVWLSMYG VNQAQVQRYV ACRTEKQAKL ALLINQVGLF LIVSSAACCG IVMFVYTDG DPLLLGRISA PDQYMPLLV L DIFEDLPGVP GLFLACAYSG TLSTASTSIN AMAAVTVEDL IKPRLRSLAP RKLVIISKGL SLIYGSACTL VAALSSLLGG GVLQGSFTVM GVISGPLLGA FILGMFLPAC NTPGVLAGLG AGLALSLWVA LGATLYPPSE QTMRVLPSSA ARCVALSUNA SGLLDPALP ANDSSRAPSS GMDASRPALA DSFYAISYLY YGALGTLTTV LCGALISCLT GPTKRSTLAP GLLWWDLARQ TASVAPKEEV AILDDNLVKG PEELPTGNKK PPGFLPTNED RLFFLGQKEL EGAGSWTPCV GHDGGRDQQE TNL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</b>

## Product Details

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**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

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Target: SLC5A5

Alternative Name: SLC5A5 ([SLC5A5 Products](#))

Background: Sodium/iodide cotransporter (Na<sup>+</sup>)/I<sup>-</sup> cotransporter) (Natrium iodide transporter) (Sodium-iodide symporter) (Na<sup>+</sup>)/I<sup>-</sup> symporter) (Solute carrier family 5 member 5),FUNCTION: Sodium:iodide symporter that mediates the transport of iodide into the thyroid gland (PubMed:8806637, PubMed:9329364, PubMed:20797386, PubMed:12488351, PubMed:18372236, PubMed:18708479, PubMed:31310151, PubMed:32084174). Can also mediate the transport of chlorate, thiocyanate, nitrate and selenocyanate (PubMed:12488351). {ECO:0000269|PubMed:12488351, ECO:0000269|PubMed:18372236, ECO:0000269|PubMed:18708479, ECO:0000269|PubMed:20797386, ECO:0000269|PubMed:31310151, ECO:0000269|PubMed:32084174,

## Target Details

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ECO:0000269|PubMed:8806637, ECO:0000269|PubMed:9329364}.

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Molecular Weight: 68.7 kDa

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UniProt: [Q92911](#)

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## 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

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## 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

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