

Datasheet for ABIN7555392  
**SLC5A2 Protein (AA 1-672) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC5A2
Protein Characteristics:	AA 1-672
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC5A2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC5A2 Protein expressed in mammalian cells.
Sequence:	MEEHTEAGSA PEMGAQKALI DNPADILVIA AYFLLVIGVG LWSMCRTNRG TVGGYFLAGR SMWWPVGAS LFASNIGSGH FVGLAGTGAA SGLAVAGFEW NALFVLLLLG WLFAPVYLTA GVITMPQYLR KRFGRRIRL YLSVLSFLY IFTKISVDMF SGAVFIQQAL GWNIYASVIA LLGITMIYTV TGGLAALMYT DTVQTFVILG GACILMGYAF HEVGGYGLF DKYLGAATSL TVSEDPVGN ISSFCYRPRP DSYHLLRHPV TGDLPWPALL LGLTIVSGWY WCSDQVIVQR CLAGKSLTHI KAGCILCGYL KLTPMFLMVM PGMISRILYP DEVACVPEV CRRVCGTEVG CSNIAYPRLV VKLMPNGLRG LMLAVMLAAL MSSLASIFNS SSTLFTMDIY TRLRPRAGDR ELLLVGRLLWV VFIVVSVAW LPVVQAAQGG QLFDIQAVS SYLAPPVSAV FVLALFVPRV NEQGAFWGLI GLLMGLARL IPEFSFGSGS CVQPSACPAF LCGVHYLYFA IVLFFCSGLL TLTVSLCTAP IPRKHLHRLV FSLRHSKEER EDLDADEQQG SSLPVQNGCP ESAMEMNEPQ APAPSLFRQC LLWFCGMSRG GVGSPPLTQ EAAAAAARRL EDISEDPSWA RVVNLNALLM MAVAVFLWGF YA <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: SLC5A2

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Alternative Name: SLC5A2 ([SLC5A2 Products](#))

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Background: Sodium/glucose cotransporter 2 (Na<sup>+</sup>)/glucose cotransporter 2 (Low affinity sodium-glucose cotransporter) (Solute carrier family 5 member 2),FUNCTION: Electrogenic Na<sup>+</sup>-coupled sugar symporter that actively transports D-glucose at the plasma membrane, with a Na<sup>+</sup> to sugar coupling ratio of 1:1. Transporter activity is driven by a transmembrane Na<sup>+</sup> electrochemical gradient set by the Na<sup>+</sup>/K<sup>+</sup> pump (PubMed:20980548, PubMed:28592437, PubMed:34880493). Has a primary role in D-glucose reabsorption from glomerular filtrate across the brush border of the early proximal tubules of the kidney (By similarity). {ECO:0000250|UniProtKB:Q923I7, ECO:0000269|PubMed:20980548, ECO:0000269|PubMed:28592437, ECO:0000269|PubMed:34880493}.

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## Target Details

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Molecular Weight: 72.9 kDa

UniProt: [P31639](#)

## 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.

Restrictions: For Research Use only

## Handling

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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