

Datasheet for ABIN7557561

## SLC5A6 Protein (AA 1-634) (His tag)



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### Overview

Quantity:	1 mg
Target:	SLC5A6
Protein Characteristics:	AA 1-634
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC5A6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Slc5a6 Protein expressed in mammalian cells.
Sequence:	<p>MSVASTAAPF HTTSGSSGAI STFSVVDYV FGLLLVLSLV IGLYHACRGW GHHTVGELLM</p> <p>ADRKMGCLPV ALSLLATFQS AVAILGAPAE IFRFGTQYWF LGCSYFLGLL IPAHFIPVF</p> <p>YRLHLTSAYE YLELRFNKAV RICGTVTFIF QMVIYMGVAL YAPSLALNAV TGFDLWLSVL</p> <p>ALGIVCNIYT ALGGLKAVIW TDVFQTLVMF LGQLVVIIVG AARVGGLGHV WNVTSQHGLI</p> <p>SGINLDPDPF VRHTFWTLAF GGVFMMLSLY GVNQAQVQRY LSSHSEAAV LSCYAVFPCQ</p> <p>QVALCMSCLI GLVMFAYYNM YSMPELKQA APDQLVLYFV MDLLKDMPLG PGLFVACLFS</p> <p>GSLSTISSAF NSLATVTMED LIQPWFQPLT ETRAIMLSRG LAFAYGLVCL GMAYISSHLG</p> <p>SVLQAALSIF GMVGGPLLGL FCLGLFFPCA NPLGAIVGLL TGLTMAFWIG IGSIVSRMSS</p> <p>AVAPPPLNGS SSFLPANVTV AAVTTVMPST LSKPTGLQHF YLSYWLWYSA HNSTTVIVVG</p> <p>LIVSLLTGGM RGRSLNPGTI YPVLPKLLAL LPLSCQKRLC WRSHSQDIPV IPNLFPEKMR</p> <p>NGVLQDSTDK ERMAEDGLVH QPCSPTYVVQ ETSL <b>Sequence without tag. The proposed</b></p>

**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.**

### 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, Western Blot

### Grade:

custom-made

## Target Details

### Target:

SLC5A6

### Alternative Name:

Slc5a6 ([SLC5A6 Products](#))

### Background:

Sodium-dependent multivitamin transporter (Na(+)-dependent multivitamin transporter) (Solute carrier family 5 member 6),FUNCTION: Sodium-dependent multivitamin transporter that mediates the electrogenic transport of pantothenate, biotin, lipoate and iodide (PubMed:23104561). Functions as a Na(+)-coupled substrate symporter where the stoichiometry of Na(+):substrate is 2:1, creating an electrochemical Na(+) gradient used as driving force for substrate uptake (By similarity). Required for biotin and pantothenate uptake in the intestine across the brush border membrane (PubMed:23104561). Plays a role in the maintenance of intestinal mucosa integrity, by providing the gut mucosa with biotin (PubMed:27492331). Contributes to the luminal uptake of biotin and pantothenate into the brain across the blood-brain barrier (By similarity). {ECO:0000250|UniProtKB:Q9Y289,

## Target Details

	ECO:0000269 PubMed:23104561, ECO:0000269 PubMed:27492331}.
Molecular Weight:	68.5 kDa
UniProt:	<a href="#">Q5U4D8</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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