

Datasheet for ABIN7548114  
**SLC2A8 Protein (AA 1-477) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC2A8
Protein Characteristics:	AA 1-477
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC2A8 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC2A8 Protein expressed in mammalian cells.
Sequence:	<p>MTPEDPEETQ PLLGPPGGSA PRGRRVFLAA FAAALGPLSF GFALGYSSPA IPSLQRAAPP APRLDDAAAS WFGAVVTLGA AAGGVVGGWL VDRAGRKLSL LLCSVPFVAG FAVITAAQDV WMLLGRRLLT GLACGVASLV APVYISEIAY PAVRGLLGSC VQLMVVVGIL LAYLAGWVLE WRWLAVLGCV PPSLMLLLMC FMPETPRFLL TQHRRQEAMA ALRFLWGSEQ GWEDPPIGAE QSFHLALLRQ PGIYKPFIIIG VSLMAFQQLS GVNAVVMFYAE TIFEEAKFKD SSLASVVVGV IQVLTAVAA LIMDRAGRRL LLVLSGVVMV FSTSAFGAYF KLTQGGPGNS SHVAISAPVS AQPVDASVGL AWLAVGSMCL FIAGFAVGWG PIPWLLMSEI FPLHVKGVAT GICVLTNWLM AFLVTKEFSS LMEVLRPYGA FWLASAFCIF SVLFTLFCVP ETKGKTLEQI TAHFEGR <b>Sequence without tag. The proposed 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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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:

SLC2A8

### Alternative Name:

SLC2A8 ([SLC2A8 Products](#))

### Background:

Solute carrier family 2, facilitated glucose transporter member 8 (Glucose transporter type 8) (GLUT-8) (Glucose transporter type X1),FUNCTION: Insulin-regulated facilitative hexose transporter that mediates the transport of glucose and fructose (By similarity). Facilitates hepatic influx of dietary trehalose, which in turn inhibits glucose and fructose influx triggering a starvation signal and hepatic autophagy through activation of AMPK and ULK1 (PubMed:27922102). Also able to mediate the transport of dehydroascorbate. {ECO:0000250|UniProtKB:Q9JIF3, ECO:0000269|PubMed:27922102}.

### Molecular Weight:

50.8 kDa

### UniProt:

[Q9NY64](#)

## 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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