

Datasheet for ABIN7551596  
**SLC19A2 Protein (AA 1-497) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC19A2
Protein Characteristics:	AA 1-497
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC19A2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC19A2 Protein expressed in mammalian cells.
Sequence:	<p>MDVPGPVSRR AAAAAATVLL RTARVRRECW FLPTALLCAY GFFASLRPSE PFLTPYLLGP            DKNLTEREVF NEIYPVWTYS YLVLLFPVFL ATDYLRYPV VLLQGLSLIV TWFMLLYAQG            LLAIQFLEFF YGIATATEIA YYSYIYSVVD LGMYPQVTSY CRSATLVGFT VGSVLGQILV            SVAGWSLFSL NVISLTCVSV AFAVAWFLPM PQKSLFFHHI PSTCQRVNGI KVQNGGIVTD            TPASNHLPGW EDIESKIPLN MEEPPVEEPE PKPDRLVLK VLWNDFLMCY SSRPLLCWSV            WWALSTCGYF QVVNYTQGLW EKVMPSRYAA IYNGGVEAVS TLLGAVAVFA VGYIKISWST            WGEMTSLSFS LLIAAAVYIM DTVGNIWVCY ASYVVFRIIY MLLITIATFQ IAANLSMERY            ALVFGVNTFI ALALQTLTL IVVDASGLGL EITTQFLIYA SYFALIAVVF LASGAVSVMK            KCRKLEDPQS SSQVTTS <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:

SLC19A2

### Alternative Name:

SLC19A2 ([SLC19A2 Products](#))

### Background:

Thiamine transporter 1 (ThTr-1) (ThTr1) (Solute carrier family 19 member 2) (Thiamine carrier 1) (TC1),FUNCTION: High-affinity transporter for the intake of thiamine (PubMed:10542220, PubMed:10391222, PubMed:33008889, PubMed:35512554, PubMed:35724964). Mediates H(+)-dependent pyridoxine transport (PubMed:33008889, PubMed:35512554, PubMed:35724964). {ECO:0000269|PubMed:10391222, ECO:0000269|PubMed:10542220, ECO:0000269|PubMed:33008889, ECO:0000269|PubMed:35512554, ECO:0000269|PubMed:35724964}.

### Molecular Weight:

55.4 kDa

### UniProt:

[O60779](#)

### Pathways:

[Dicarboxylic Acid Transport](#)

## 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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