

Datasheet for ABIN7551706
SLC19A3 Protein (AA 1-496) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC19A3 (Slc19a3)
Protein Characteristics:	AA 1-496
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC19A3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC19A3 Protein expressed in mammalian cells.
Sequence:	MDCYRTSLSS SWIYPTVILC LFGFFSMMRP SEPFLIPYLS GPDKNLTSAE ITNEIFPVWT YSYLVLLL PV FVLTDYVRYK PVII LQGISF IITWLLLLFG QGVKTMQVVE FFYGMVTAAE VAYYAYIYSV VSPEHYQRVS GYCRSVTLAA YTAGSVLAQL LVSLANMSYF YLNVISLASV SVAFLSLFL PMPKKSMMFFH AKPSREIKKS SSVNPVLEET HEGEAPGCEE QKPTSEILST SGKLNKGQLN SLKPSNVTVD VEVQWFQDLK ECVSSKRLFY WSLWWAFATA GFNQVLNYVQ ILWDYKAPSQ DSSIYNGAVE AIATFGGAVA AFAVGYVKVN WDLLGELALV VFSVVNAGSL FLMHYTANIW ACYAGYLIFK SSYMILLITIA VFQIAVNLNV ERYALVFGIN TFIALVIQTI MTVIVVDQRG LNLVPSIQFL VYGSYFAVIA GIFLMRSMYI TYSTKSQKDV QSPAPSENPD VSHPEEESNI IMSTKL 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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

Target:

SLC19A3 (Slc19a3)

Alternative Name:

SLC19A3 ([Slc19a3 Products](#))

Background:

Thiamine transporter 2 (ThTr-2) (ThTr2) (Solute carrier family 19 member 3),FUNCTION: Mediates high affinity thiamine uptake, probably via a proton anti-port mechanism (PubMed:11731220, PubMed:33008889, PubMed:35512554, PubMed:35724964). Has no folate transport activity (PubMed:11731220). Mediates H(+)-dependent pyridoxine transport (PubMed:33008889, PubMed:35512554, PubMed:35724964, PubMed:36456177). {ECO:0000269|PubMed:11731220, ECO:0000269|PubMed:33008889, ECO:0000269|PubMed:35512554, ECO:0000269|PubMed:35724964, ECO:0000269|PubMed:36456177}.

Molecular Weight:

55.7 kDa

UniProt:

[Q9BZV2](#)

Pathways:

[Dicarboxylic Acid Transport](#)

Application Details

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

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
