

Datasheet for ABIN7563235
SLC19A1 Protein (AA 1-512) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC19A1
Protein Characteristics:	AA 1-512
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC19A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc19a1 Protein expressed in mammalian cells.
Sequence:	<p>MVPTGQVAEK QAYEEPRQDH ELKSWRCLVF YLCFFGFMAQ LRPGESFITP FLLERKFTKE QVTNEIIPML PYSHLAVLVP VFLLTDYLRV KPVVLVQLCLS FVCVWLLLLL GTSVVMQLM EVFYSVTMAA RIAYSSYIFS LVHPSRYQRM ASYSRAAVLL GVFISSVLGQ ALVTVGHIST YTLNCVSLGF ILFSLVLSLF LKRPKRSLFF NRSTLARGAL PCELDQMHPG PDRPETRKL RMLGTCRDSF LVRMLSELVE NARQPQLRLW CLWWVFNSSG YYLITYYVHV LWRSTDSSLS YNGAVDAAST LLSAITSFSA GFLSIRWTLW SKLVIAGVIA IQASLVFCMF QIRDIWVCYV TFVLFRGAYQ FLVPIATFQI ASSLSKELCA LVFGINTFLA TALKTCITLV VSDKRGLGLQ VRDQFRIYFI YFLMLSITCF AWAGLDGLRY CQRGRHQPLA QAQELRSPLE TSVQAISLQD GDLRGPQPSA PQLLSEDEGME DDRGDLRVEA KA 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.</p>

Product Details

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.

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: SLC19A1

Alternative Name: Slc19a1 ([SLC19A1 Products](#))

Background: Reduced folate transporter (Intestinal folate carrier 1) (IFC-1) (Plasma membrane folate antiporter SLC19A1) (Reduced folate carrier 1) (RFC-1) (RFC1) (Solute carrier family 19 member 1),FUNCTION: Antiporter that mediates the import of reduced folates (PubMed:8276792, PubMed:8664315, PubMed:9111015, PubMed:9748272). Mechanistically, acts as a secondary active transporter, which exports intracellular organic anions down their concentration gradients to facilitate the uptake of its substrates (By similarity). Has high affinity for N5-methyltetrahydrofolate, the predominant circulating form of folate (PubMed:8276792, PubMed:9111015). Also able to mediate the import of antifolate drug methotrexate (PubMed:8276792, PubMed:8664315, PubMed:9748272). 5-amino-4-imidazolecarboxamide riboside (AICAR), when phosphorylated to AICAR monophosphate, can serve as an organic anion for antiporter activity (By similarity). {ECO:0000250|UniProtKB:P41440,

Target Details

ECO:0000269|PubMed:8276792, ECO:0000269|PubMed:8664315,
ECO:0000269|PubMed:9111015, ECO:0000269|PubMed:9748272}.

Molecular Weight: 58.2 kDa

UniProt: [P41438](#)

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