

Datasheet for ABIN7549474

SLC16A10 Protein (AA 1-515) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC16A10
Protein Characteristics:	AA 1-515
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC16A10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC16A10 Protein expressed in mammalien cells.
Sequence:	MVLSQEEPDS ARGTSEAQPL GPAPTGAAPP PGPGPSDSPE AAVEKVEVEL AGPATAEPHE PPEPPEGGWG WLVM LAAMWC NGSVFGIQNA CGVLFVSMLE TFGSKDDDKM VFKTAWVGS SMGMIFFCPP IVSVFTDLFG CRKTAVVGAA VGFVGLMSSS FVSSIEPLYL TYGIIFACGC SFAYQPSLVI LGHYFKKRLG LVNGIVTAGS SVFTILLPLL LRVLIDSVGL FYTLRVLCIF MFVLFLAGFT YRPLATSTKD KESGGSGSSL FSRKKFSPPK KIFNFAIFKV TAYAVWAVGI PLALFGYFVP YVHLMKHVNE RFQDEKNKEV VLKICIGVTSG VGRLLFGRIA DYVPGVKKVY LQVLSFFFIG LMSMMIPLCS IFGALIAVCL IMGLFDGCFI SIMAPIAFEL VQAQDVSQAI GFLGFM SIP MTVGPPIAGL LRDKLGSYDV AFYLAGVPPL IGGAVLCFIP WIHKKQREI SKTTGKEKME KMLNQNSSL SSSSGMFKKE SDSII 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

Product Details

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:

SLC16A10

Alternative Name:

SLC16A10 ([SLC16A10 Products](#))

Background:

Monocarboxylate transporter 10 (MCT 10) (Aromatic amino acid transporter 1) (Solute carrier family 16 member 10) (T-type amino acid transporter 1),FUNCTION: Sodium- and proton-independent thyroid hormones and aromatic acids transporter (PubMed:11827462, PubMed:18337592, PubMed:28754537). Mediates both uptake and efflux of 3,5,3'-triiodothyronine (T3) and 3,5,3',5'-tetraiodothyronine (T4) with high affinity, suggesting a role in the homeostasis of thyroid hormone levels (PubMed:18337592). Responsible for low affinity bidirectional transport of the aromatic amino acids, such as phenylalanine, tyrosine, tryptophan and L-3,4-dihydroxyphenylalanine (L-dopa) (PubMed:11827462, PubMed:28754537). Plays an important role in homeostasis of aromatic amino acids (By similarity).
{ECO:0000250|UniProtKB:Q3U9N9, ECO:0000269|PubMed:11827462, ECO:0000269|PubMed:18337592, ECO:0000269|PubMed:28754537}.

Molecular Weight:

55.5 kDa

Target Details

UniProt: [Q8TF71](#)

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