

Datasheet for ABIN7557158

**SLC16A10 Protein (AA 1-512) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC16A10
Protein Characteristics:	AA 1-512
Origin:	Mouse
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:	MVPSQEEPAA ERETNEAQPP GPAPSDDAPL PGPGPSDVSD VAAEKVEVEL TRSAGSEPPV PPEGGWGWLVL MLAAMWCNGS VFGIQNAYGV LFVSMLDTFK AKDDDNMAFK TAWVGSLSMG MIFFCCPIVS VFTDMFGCRR TAVVGA AVGF IGLMSSSFVS SIEPLYLTYG IIFACGCSFA YQPSLVILGH YFKKRLGLVN GIVTAGSSVF TILLPLLLGN LISSVKLFNT LRILCIFMFV LFLAGFTYRP LVPSTKEKES GGSRSSFFSR RKLSPPKKVF NFALFKETTY AVWAAGIPLA LFGYFVPYVH LMNHVKERFQ DVNNKEVLFM CIGITSGVGR LLFGRIADYL PGVKKVYLQV LSFFFIGLMS MMIPLCSAFG ALIAVCLAMG LFDGCFISIM APIAFELVGP QDASQAIGFL LGFMSIPMTV GPPIAGLLHD KLGTYDVAFY LAGIPPFVGG VVLCIPWIH SKKQRKISKN AGGEKMEKML ENQSSLLSGS SGIFKKDSAS II <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</b>

## Product Details

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### contact us.

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#### 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

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#### 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. 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 (By similarity). Responsible for low affinity bidirectional transport of the aromatic amino acids, such as phenylalanine, tyrosine, tryptophan and L-3,4-dihydroxyphenylalanine (L-dopa) (PubMed:16245314). Plays an important role in homeostasis of aromatic amino acids (PubMed:23045339).

{ECO:0000250|UniProtKB:Q8TF71, ECO:0000269|PubMed:16245314, ECO:0000269|PubMed:23045339}.

#### Molecular Weight:

55.3 kDa

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## Target Details

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UniProt: [Q3U9N9](#)

## Application Details

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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

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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