

Datasheet for ABIN7545928

## SLC36A4 Protein (AA 1-504) (His tag)



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### Overview

Quantity:	1 mg
Target:	SLC36A4
Protein Characteristics:	AA 1-504
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC36A4 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant SLC36A4 Protein expressed in mammalian cells.
Sequence:	<p>MEAAATPAAA GAARREELDM DVMRPLINEQ NFDGTSDEEH EQELLPVQKH YQLDDQEGIS</p> <p>FVQTLMHLLK GNIGTGLLGL PLAIGNAGIV LGPISLVFIG IISVHCMHIL VRCSHFLCLR</p> <p>FKKSTLGYSD TVSFAMEVSP WSCLQKQAAW GRSVVDFFLV ITQLGFCSVY IVFLAENVKQ</p> <p>VHEGFLESKV FISNSTNSSN PCERRSVDLR IYMLCFLPFI ILLVFIRELK NLFVLSFLAN</p> <p>VSMASLVII YQYVVRNMPD PHNLPVAGW KKYPLFFGTA VFAFEGIGVV LPLENQMKES</p> <p>KRFPQALNIG MGIVTTLVYT LATLGYMCFH DEIKGSITLN LPQDVWLYQS VKILYSFGIF</p> <p>VTYSIQFYVP AEIIPGITS KFHTKWKQIC EFGIRSFLVS ITCAGAILIP RLDIVISFVG AVSSSTLALI</p> <p>LPPLVEILTF SKEHYNIWMV LKNISIAFTG VVGFLLGTYI TVEEIIYPTP KVVAGTPQSP</p> <p>FLNLNSTCLT SGLK <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

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:

SLC36A4

### Alternative Name:

SLC36A4 ([SLC36A4 Products](#))

### Background:

Neutral amino acid uniporter 4 (Solute carrier family 36 member 4),FUNCTION: Uniporter that mediates the transport of neutral amino acids like L-tryptophan, proline and alanine (PubMed:21097500). The transport activity is sodium ions-independent, electroneutral and therefore functions via facilitated diffusion (PubMed:21097500). {ECO:0000269|PubMed:21097500}.

### Molecular Weight:

56.2 kDa

### UniProt:

[Q6YBV0](#)

## 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.

Application Details

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