

Datasheet for ABIN7555383

**SLC22A16 Protein (AA 1-577) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC22A16
Protein Characteristics:	AA 1-577
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC22A16 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC22A16 Protein expressed in mammalian cells.
Sequence:	MGSRHFEGIY DHVGHFGRFQ RVLVYFICAFQ NISCGIHYLA SVFMGVTPHH VCRPPGNVSQ VVFHNHSNWS LEDTGALLSS GQKDYVTVQL QNGEIWELSR CSRNKRENTS SLGYEYTGSK KEFPCVDGYI YDQNTWKSTA VTQWNLVCDR KWLAMLIQPL FMFGVLLGSV TFGYFSDRLG RRVVLWATSS SMFLFGIAAA FAVDYYTFMA ARFFLAMVAS GYLVVGFVYV MEFIGMKSRT WASVHLHSFF AVGTLLVALT GYLVRTWWLY QMILSTVTVP FILCCWVLP ETPFWLLSEGR YEEAQKIVDI MAKWNRASSC KLSSELLDL QGPVSNPTE VQKHNSYLF YNWSITKRTL TVWLIWFTGS LGFYFSLNS VNLGGNEYLN LFLLGVEIP AYTFVCIAMD KVGRRTVLAY SLFCSALACG VVMVIPQKHY ILGVVTAMVG KFAIGAAFGL IYLYTAEYP TIVRSLAVGS GSMVCRLASI LAPFSVDLSS IWIFIPQLFV GTMALLSGVL TLKLPETLGK RLATTWEEAA KLESENEKSKS SKLLLTNNNS GLEKTEAITP RDSGLGE <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

---

### contact us.

**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:** SLC22A16

**Alternative Name:** SLC22A16 ([SLC22A16 Products](#))

**Background:** Solute carrier family 22 member 16 (Carnitine transporter 2) (CT2) (Fly-like putative transporter 2) (FLIPT2) (Flipt 2) (Organic cation transporter OKB1) (Organic cation/carnitine transporter 6),FUNCTION: Facilitative organic cation transporter that mediates the transport of carnitine as well as the polyamine spermidine (PubMed:12089149, PubMed:20037140). Mediates the partially Na(+)-dependent bidirectional transport of carnitine (PubMed:12089149). May mediate L-carnitine secretion from testis epididymal epithelium into the lumen which is involved in the maturation of spermatozoa (PubMed:12089149). {ECO:0000269|PubMed:12089149, ECO:0000269|PubMed:20037140}.

**Molecular Weight:** 64.6 kDa

## Target Details

---

UniProt: [Q86VW1](#)

## 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