

Datasheet for ABIN7551616

**SLC22A15 Protein (AA 1-547) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC22A15
Protein Characteristics:	AA 1-547
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC22A15 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC22A15 Protein expressed in mammalian cells.
Sequence:	MEVEEAFQAV GEMGIYQMYL CFLLAVLLQL YVATEAILIA LVGATPSYHW DLAELLPNQS HGNQSAGEDQ AFGDWLLTAN GSEIHKHVHF SSSFTSIASE WFLIANRSYK VSAASSFFFS GVFVGVISFG QLSDRFGRKK VYLTGFALDI LFAIANGFSP SYEFFAVTRF LVGMMNGGMS LVAFVLLNEC VGTAYWALAG SIGGLFFAVG IAQYALLGYF IRSWRTLAIL VNLQGTVVFL LSLFIPESPR WLYSQGRLSE AEEALYLIK RNRKLKCTFS LTHPANRSCR ETGSFLDLFR YRVLLGHTLI LMFIVFVCSL VYVGLTSLAG DLGGSYANL ALSGLIEIPS YPLCIYLIQ KWFGRKRTLS AFLCLGGLAC LIVMFLPEKK DTGVFAVNS HSLSLGKLT ISAAFNIYI YTSELYPTVI RNVGLGTCSM FSRVGGIAP FIPSLKYVQW SLPFIVFGAT GLTSGLLSLL LPETLNSPLL ETFSDLQVYS YRRLGEEALS LQALDPQQCV DKESLGSSES EEEEEFYDAD EETQMIK <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>

## Product Details

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**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.

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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.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** SLC22A15

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**Alternative Name:** SLC22A15 ([SLC22A15 Products](#))

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**Background:** Solute carrier family 22 member 15 (Fly-like putative transporter 1) (Flipt 1),FUNCTION: Organic zwitterion/cation transporter with apparent specificity for amino acids and their derivatives. Has low affinity for its substrates and may regulate their flux across the plasma membrane at high substrate concentrations (PubMed:33124720). Bidirectionally transports carnitine and acetylcarnitine, possibly regulating their cytosolic abundance and further fatty acid catabolism via beta oxidation (PubMed:33124720). Displays high transport activity toward zwitterionic substrates such as glycine betaine and diet-derived ergothioneine and carnosine. Can transport cations having an indole skeleton such as thiamine with lower efficiency. Does not transport agmatine (PubMed:33124720, PubMed:15028572). The transport mechanism, symport with sodium or facilitated diffusion allosterically regulated by sodium, remains to be elucidated (Probable). {ECO:0000269|PubMed:15028572, ECO:0000269|PubMed:33124720,

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## Target Details

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ECO:0000305|PubMed:33124720}.

Molecular Weight: 60.5 kDa

UniProt: [Q8IZD6](#)

## Application Details

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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

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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