

Datasheet for ABIN7551710
SLC23A1 Protein (AA 1-598) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC23A1 (SVCT1)
Protein Characteristics:	AA 1-598
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC23A1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SLC23A1 Protein expressed in mammalien cells.
Sequence:	MRAQEDLEGR TQHETTRDPS TPLPTEPKFD MLYKIEDVPP WYLCILLGFQ HYLTCFSGTI AVPFLLAEL CVGHDQHMVS QLIGTIFTCV GITTLIQTTV GIRLPLFQAS AFAFLVPAKA ILALERWKCP PEEIYGNWS LPLNTSHIWH PRIREVQGA I MVSSVVEVVI GLLGLPGALL NYIGPLTVTP TVSLIGLSVF QAAGDRAGSH WGISACSILL IILFSQYLRN LTFLLPVYRW GKGLTLLRIQ IFKMFPIMLA IMTVWLLCYV LTLTDVLPTD PKAYGFQART DARGDIMAIA PWIRIPYPCQ WGLPTVTA AA VLG MFSATLA GIIESIGDYY ACARLAGAPP PPVHAINRGI FTEGICCIIA GLLGTGNGST SSSPNIGVLG ITKVGSRRV V QYGAAIMLV L GTIGKFTALF ASLPDPILGG MFCTLFGMIT AVGLSNLQFV DMN SSRNLFV LGFSMFFGLT LPNYLESNPG AINTGILEVD QILIVLLTTE MFVGGCLAFI LDNTVPGSPE ERGLIQWKAG AHANS DMSSS LKS YDFPIGM GIVKRITFLK YIPICPVFKG FSSSSKDQIA IPEDTPENTE TASVCTKV 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.

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:

SLC23A1 (SVCT1)

Alternative Name:

SLC23A1 ([SVCT1 Products](#))

Background:

Solute carrier family 23 member 1 (Na⁺)/L-ascorbic acid transporter 1) (Sodium-dependent vitamin C transporter 1) (hSVCT1) (Yolk sac permease-like molecule 3),FUNCTION: Sodium:ascorbate cotransporter. Mediates electrogenic uptake of vitamin C, with a stoichiometry of 2 Na⁺ for each ascorbate (PubMed:10556483, PubMed:10556521, PubMed:10631088, PubMed:36749388). Has retained some ancestral activity toward nucleobases such as urate, an oxidized purine. Low-affinity high-capacity sodium:urate cotransporter, may regulate serum urate levels by serving as a renal urate re-absorber (PubMed:36749388). {ECO:0000269|PubMed:10556483, ECO:0000269|PubMed:10556521, ECO:0000269|PubMed:10631088, ECO:0000269|PubMed:36749388}., FUNCTION: [Isoform 2]: Inactive transporter. {ECO:0000269|PubMed:10556483}.

Molecular Weight:

64.8 kDa

Target Details

UniProt: [Q9UHI7](#)

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