

Datasheet for ABIN7545895

SLC22A14 Protein (AA 1-594) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC22A14
Protein Characteristics:	AA 1-594
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC22A14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC22A14 Protein expressed in mammalian cells.
Sequence:	<p>MAGEENFKEE LRSQDASRNL NQHEVAGHPH SWSLEMLLR LRAVHTKQDD KFANLLDAVG EFGTFQQLRV ALTFIPSIMS AFFMFADHFV FTAQKPYCNT SWILAVGPHL SKAEQLNLT PQAPNGSFLT CFMYLPVPWN LDSIIQFGLN DTDTCQDGWI YPDAKKRSLI NEFDLVCGME TKKDTAQIMF MAGLPIGSLI FRLITDKMGR YPAILLSLLG LIIFGFGTAF MNSFHLYLFF RFGISQSVVG YAISSISLAT EWLVGEGRAH AILGHCFFA VGAVLLTGIA YSLPHWQLLF LVGGILVIPF ISYIWILPES PRWLMMKGKV KEAKQVLCYA ASVNKKTIPS NLLDELQLPR KKVTRASVLD FCKNRQLCKV TLVMSCVWFT VSYTYFTLSL RMRELGVSVH FRHVPSIME VPARLCCIFL LQQIGRKWSL AVTLLQAIW CLLLLFLPEG EDGLRLKWPR CPATELKSM ILVLMREFS LAATVTVFFL YTAELLPTVL RATGLGLVSL ASVAGAILSL TIISQTPSLL PIFLCCVLA VAFSLSSLLP ETRDQPLSES LNHSSQIRNK VKDMKTKETS SDDV 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</p>

request, please 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: SLC22A14

Alternative Name: SLC22A14 ([SLC22A14 Products](#))

Background: Solute carrier family 22 member 14 (Organic cation transporter-like 4) (ORCTL-4),FUNCTION: Riboflavin transporter localized at the inner mitochondrial membrane of the spermatozoa midpiece, which is required for male fertility (By similarity). SLC22A14-mediated riboflavin transport is essential for spermatozoa energy generation and motility: riboflavin is the precursor of FMN and FAD, which are coenzymes of many enzymes in the TCA cycle (the citric acid cycle) in mitochondria (By similarity). Required for sperm motility and normal sperm flagellar structure (By similarity). {ECO:0000250|UniProtKB:Q497L9}.

Molecular Weight: 66.7 kDa

UniProt: [Q9Y267](#)

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