

Datasheet for ABIN7551615

SLC22A13 Protein (AA 1-551) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC22A13
Protein Characteristics:	AA 1-551
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC22A13 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC22A13 Protein expressed in mammalian cells.
Sequence:	<p>MAQFVQVLAE IGDFGRFQIQ LLILLCVLNF LSPFYFFAHV FMVLDEPHHC AVAWVKNHTF NLSAAEQLVL SVPLDTAGHP EPCLMFRPPP ANASLQDILS HRFNETQPCD MGWEYPENRL PSLKNEFNLV CDRKHLKDTT QSVFMAGLLV GTLMFGPLCD RIGRKATILA QLLLFTLIGL ATAFVPSFEL YMALRFAVAT AVAGLSFSNV TLLTEWVGPS WRTQAVVLAQ CNFSLGQMVL AGLAYGFRNW RLLQITGTAP GLLFFYFWA LPESARWLLT RGRMDEAIQL IQKAASVNR KLSPELMNQL VPEKTGPSGN ALDLFRHPQL RKVTLIIFCV WFVDSLGGYGL LSLQVGDGFL DVYLTQLIFG AVEVPARCSS IFMMQRFRGRK WSQLGTLVLG GLMCIIFI PADLPVVV TM LAVVGKMATA AFTISYVYS AELFPTILRQ TGMGLVGIFS RIGGILTPLV ILLGEYHAAL PMLIYGSPLI VAGLLCTLLP ETHGQGLKDT LQDLELGPHP RSPKSVPSEK ETEAKGRTSS PGVAFVSSTY F</p> <p>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.</p>

Product Details

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: SLC22A13

Alternative Name: SLC22A13 ([SLC22A13 Products](#))

Background: Solute carrier family 22 member 13 (Organic anion transporter 10) (OAT10) (Organic cation transporter-like 3) (ORCTL-3) (ORCTL3),FUNCTION: Anion antiporter that mediates the transport of urate, orotate and nicotinate in exchange for organic or inorganic anions (PubMed:18411268, PubMed:35144162, PubMed:31780526, PubMed:35462902). Translocates urate and orotate across the apical membrane of proximal tubule epithelial cells and involved in urate renal reabsorption (PubMed:18411268, PubMed:35144162, PubMed:31780526). Possibly involved in orotate renal reabsorption and nicotinate intestinal reabsorption (PubMed:18411268, PubMed:35144162). Mediates urate uptake by an exchange with organic anions such as (S)-lactate, succinate, glutathione and nicotinate (PubMed:18411268). Urate and orotate transports are Cl(-)-dependent (PubMed:35144162, PubMed:35462902). Shows similar transport characteristics as the urate/orotate renal antiporter SLC22A12/URAT1 and

Target Details

may act as a compensator of SLC22A12/URAT1 in certain conditions (Probable).
{ECO:0000269|PubMed:18411268, ECO:0000269|PubMed:31780526,
ECO:0000269|PubMed:35144162, ECO:0000269|PubMed:35462902,
ECO:0000305|PubMed:35144162, ECO:0000305|PubMed:35462902}.

Molecular Weight: 60.9 kDa

UniProt: [Q9Y226](#)

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