

Datasheet for ABIN7549907

SLC10A2 Protein (AA 1-348) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC10A2
Protein Characteristics:	AA 1-348
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC10A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC10A2 Protein expressed in mammalian cells.
Sequence:	MNDPNSCVDN ATVCSGASCV VPESNFNNIL SVVLSTVLT I LLALVMFSMG CNVEIKKFLG HIKRPWGICV GFLCQFGIMP LTGFILSVAF DILPLQAVV LIIGCCPGGT ASNILAYWVD GDMDLSVSMT TCSTLLALGM MPLCLLIYTK MWVDSGSIVI PYDNIGTSLV SLVVPVSIGM FVNHKWPQKA KIILKIGSIA GAILIVLIAV VGGILYQSAW IIAPKLWIIG TIFPVAGYSL GFLLARIAGL PWYRCRTVAF ETGMQNTQLC STIVQLSFTP EELNVVFTFP LIYSIFQLAF AAIFLGFYVA YKKCHGKNKA EIPESKNGT EPESSFYKAN GGFQPDEK 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.
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:

Product Details

- 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:	SLC10A2
Alternative Name:	SLC10A2 (SLC10A2 Products)

Background: Ileal sodium/bile acid cotransporter (Apical sodium-dependent bile acid transporter) (ASBT) (Ileal Na(+)/bile acid cotransporter) (Ileal sodium-dependent bile acid transporter) (IBAT) (ISBT) (Na(+)-dependent ileal bile acid transporter) (Sodium/taurocholate cotransporting polypeptide, ileal) (Solute carrier family 10 member 2),FUNCTION: Plays a critical role in the sodium-dependent reabsorption of bile acids from the lumen of the small intestine (PubMed:7592981, PubMed:9458785, PubMed:9856990). Transports various bile acids, unconjugated or conjugated, such as cholate and taurocholate (PubMed:7592981, PubMed:9458785, PubMed:9856990). Also responsible for bile acid transport in the renal proximal tubules, a salvage mechanism that helps conserve bile acids (Probable). Works collaboratively with the Na(+)-taurocholate cotransporting polypeptide (NTCP), the organic solute transporter (OST), and the bile salt export pump (BSEP), to ensure efficacious biological recycling of bile acids during enterohepatic circulation (PubMed:33222321). {ECO:0000269|PubMed:7592981, ECO:0000269|PubMed:9458785, ECO:0000269|PubMed:9856990, ECO:0000303|PubMed:33222321, ECO:0000305|PubMed:9458785}.

Target Details

Molecular Weight: 37.7 kDa

UniProt: [Q12908](#)

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