

Datasheet for ABIN7562193
SLC10A1 Protein (AA 1-362) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC10A1
Protein Characteristics:	AA 1-362
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC10A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc10a1 Protein expressed in mammalian cells.
Sequence:	MEAHNVSAPF NFSLPPGFGH RATDTALSVI LVMMLLLIML SLGCTMEFSK IKAHFWKPKG VIIAIVAQYG IMPLSAFLLG KVFHLTSIEA LAILICGCSP GGNLSNLFTL AMKGD MNLSI VMTTCSSFTA LGMMPLLLYI YSKGIYDGD LKDKVPYKGIM LSLVMVLIPC AIGIFLKSKR PHYVPYVLKA GMIITFSLSV AVTVLSVINV GNSIMFVMTP HLLATSSLMP FTGFLMGYIL SALFRLNPSC RRTISMETGF QNVQLCSTIL NVTFPPEVIG PLFFFPLLYM IFQLAEGLLF IIFRCYLKI KPQKDQTKIT YKAAATEDAT PAALEKGTHN GNNPPTQPGL SPNGLNSGQM AN 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)
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Grade:	custom-made
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Target Details

Target:	SLC10A1
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Alternative Name:	Slc10a1 (SLC10A1 Products)
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Background:	Hepatic sodium/bile acid cotransporter (Na ⁺)/bile acid cotransporter (Na ⁺)/taurocholate transport protein) (Sodium/taurocholate cotransporting polypeptide) (NTCP) (Solute carrier family 10 member 1) (SLC10A1),FUNCTION: As a major transporter of conjugated bile salts from plasma into the hepatocyte, it plays a key role in the enterohepatic circulation of bile salts necessary for the solubilization and absorption of dietary fat and fat-soluble vitamins (PubMed:10209268). It is strictly dependent on the extracellular presence of sodium (PubMed:10209268, PubMed:34060352). It exhibits broad substrate specificity and transports various bile acids, such as taurocholate, cholate, as well as non-bile acid organic compounds, such as estrone sulfate (PubMed:10209268, PubMed:34060352). Works collaboratively with the ileal transporter (NTCP2), the organic solute transporter (OST), and the bile salt export pump (BSEP), to ensure efficacious biological recycling of bile acids during enterohepatic circulation (By similarity). {ECO:0000250 UniProtKB:Q14973, ECO:0000269 PubMed:10209268, ECO:0000269 PubMed:34060352}.
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Molecular Weight:	39.4 kDa
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Target Details

UniProt: [O08705](#)

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