

# Recombinant Cynomolgus SLC10A1 Protein, His&Flag tagged

Cat. No. SLC10A1-922C Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus SLC10A1 Protein (1-349 aa) with His&Flag tag was expressed in E. coli.
<b>Species</b>	Cynomolgus
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-349 aa
<b>Description</b>	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. It is strictly dependent on the extracellular presence of sodium. 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. 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.
<b>Form</b>	Lyophilized from PBS, 0.05% Brij78, 6% Trehalose, pH7.4 The volume before lyophilization is 86 µL/vial.
<b>Molecular Mass</b>	40.1 kDa
<b>AASequence</b>	MEAHNASAPFNFTLPPNFGKRPTDLALSILVFMLFFVMLSLGCTMEFSKIKAHLWKP

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KGLAIALVAQYGIMPLTAFVLGKVFQLNNEALAILVCGCSPGGNLSNVFSLAMKGD  
 NLSIVMTTCSTFCALGMMPLLLYLYTRGIYDGDLDKDKVPYGRILSLVPLIPCTIGIVLK  
 SKRPQYMRYVIKGGMIILLCSVAVTVLSAINVGKSIMFAMTPLLIATSSLMPIGIFLLG  
 YVLSALFCLNGRCRRTVSMETGCQNVQLCSTILNVAFPPEVIGPLFFFPLLYMIFQLG  
 EGLLLIAMFRCYEKFKTPKDKTKMIYTAATTEETIPGALGNGTYKGEDCSPCTA

**Purity** ≥90% by SDS-PAGE

**Storage** Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20/-80 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** [SLC10A1 solute carrier family 10 member 1 \[ Macaca mulatta \(Rhesus monkey\) \]](#)

**Official Symbol** [SLC10A1](#)

**Synonyms** SLC10A1; solute carrier family 10 member 1; Ntcp; sodium/bile acid cotransporter; hepatic sodium/bile acid cotransporter; solute carrier family 10 (sodium/bile acid cotransporter family), member 1; solute carrier family 10 member a1

**Gene ID** [712925](#)

**mRNA Refseq** [XM\\_001110268](#)

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**Protein Refseq** XP\_001110268

**UniProt ID** A0A8J8XR54

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