

## Product Information

### **Magic™ Membrane Protein Human SLC10A1 (Solute carrier family 10 member 1) for Antibody Discovery**

Cat. No.: **MP0740J**

This product is for research use only and is not intended for diagnostic use.

This product is a 37.9 kDa Human SLC10A1 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

SLC10A1

##### Protein Length

Full-length

##### Protein Class

Druggable Genome, Transmembrane

##### Molecular Weight

37.9 kDa

##### TMD

8

##### Sequence

MEAHNASAPFNFTLPPNFGKRPTDLALSVILVFMFFIMLSLGCTMEFSKIKAHLWPKGLAIALVAQYG  
IMPLTAFVLGKVFRLKNIEALAILVCGCSPGGNLSNVFSLAMKGMNLSIVMTTCSTFCALGMMPLLLYI  
YSRGIYDGDLDKDKVPYKGIVISLVVLIPCTIGIVLKSRRPQYMRYVIKGGMIILLCSVAVTVLSAINV  
GKSIMFAMTPLLATSSLMPFIGFLLGYVLSALFCLNGRCRRTVSMETGCQNVQLCSTILNVAFPPEVIG  
PLFFFPLLYMIFQLGEGLLLIAIFWCYEKFKTPKDKTKMIYTAATTEETIPGALNGTYKGEDCSPCTA

#### Product Description

##### Expression Systems

HEK293T

##### Tag

C-Myc/DDK

##### Form

Powder

### **Purification**

Anti-DDK affinity column followed by conventional chromatography steps

### **Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

### **Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

### **Storage**

Store at +4°C for up to one week or several months at -80°C

## **Target**

### **Target Protein**

SLC10A1

### **Full Name**

Solute carrier family 10 member 1

### **Introduction**

The protein encoded by this gene belongs to the sodium/bile acid cotransporter family, which are integral membrane glycoproteins that participate in the enterohepatic circulation of bile acids. Two homologous transporters are involved in the reabsorption of bile acids; the ileal sodium/bile acid cotransporter with an apical cell localization that absorbs bile acids from the intestinal lumen, bile duct and kidney, and the liver-specific sodium/bile acid cotransporter, represented by this protein, that is found in the basolateral membranes of hepatocytes. Bile acids are the catabolic product of cholesterol metabolism, hence this protein is important for cholesterol homeostasis.

### **Alternative Names**

NTCP

### **Gene ID**

[6554](#)

### **UniProt ID**

[Q14973](#)