

# Product Information

## MemDX™ Membrane Protein Human SLC31A1 (Solute carrier family 31 member 1) Full

### Length

Cat. No.: **MPC0831K**

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

This product is a 21 kDa Human SLC31A1 membrane protein expressed in HEK293. 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

SLC31A1

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

21 kDa

#### TMD

3

#### Sequence

MDHSHHMGMSYMSNSTMQPSHHPTTSASHSHGGGDSSMMMMPMTFYFG  
FKNVELLFSGLVINTAGEMAGAFVAVFLLAMFYEGLKIARESLLRKSQVS  
IRYNSMPVPGPNGTILMETHKTVGQQMLSFPHLLQTVLHIIQVVISYFLM  
LIFMTYNGYLCIAVAAGAGTGYFLFSWKKAVVVDITEHCH

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

SLC31A1

**Full Name**

Solute carrier family 31 member 1

**Introduction**

The protein encoded by this gene is a high-affinity copper transporter found in the cell membrane. The encoded protein functions as a homotrimer to effect the uptake of dietary copper.

**Alternative Names**

CTR1; COPT1; high affinity copper uptake protein 1; copper transport 1 homolog; copper transporter 1; solute carrier family 31 (copper transporter), member 1; solute carrier family 31 (copper transporters), member 1; SLC31A1; Solute carrier family 31 member 1

**Gene ID**

[1317](#)

**UniProt ID**

[O15431](#)