

## Product Information

### MemDX™ Membrane Protein Human SLC40A1 (Solute carrier family 40 member 1) Full

#### Length

Cat. No.: **MPC1023K**

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

This product is a 62.5 kDa Human SLC40A1 membrane protein expressed in Baculovirus/Insect expression system. 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

SLC40A1

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

62.5 kDa

##### TMD

10

##### Sequence

MTRAGDHNRRQGCCGSLADYLTSAKFLLYLGHSLSTWGDRMWHFVSVFL  
VELYGNLLLLTAVYGLVVAGSVLVLGAIIGDWVDKNARLKVAQTSLVVQN  
VSVILCGIILMMVFLHKHELLTMYHGWVLTSCYILIITIANIANLASTAT  
AITIQRDWIVVVAGEDRSKLANMNATIRRIDQLTNILAPMAVGQIMTFGS  
PVIGCGFISGWNLVSMCVEYVLLWKVYQKTPALAVKAGLKEEETELKQLN  
LHKDTEPKPLEGTHLMGVKDSNIHELEHEQEPTCASQMAEPFRTFRDGVV  
SYYNQPVFLAGMGLAFLYMTVLGFDCITTGYAYTQGLSGSILSMGASA  
ITGIMGTVAFTWLRRKCGLVRTGLISGLAQLSCLILCVISVFMPGSPLDL  
SVSPFEDIRSRFIQGESITPTKIPEITTEIYMSNGSNSANIVPETSPEV  
PIISVSLLFAGVIAARIGLWSFDLTVTQLLENVIESERGIINGVQNSMN  
YLLDLLHFIMVILAPNPEAFGLLVLSVSFVAMGHIMYFRFAQNTLGKNL  
FACGPDAKEVRKENQANTSVV

#### Product Description

#### Expression Systems

Baculovirus/Insect expression system

**Tag**

Protein C epitope and 8xHis tag at C-terminal

**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 -70°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

SLC40A1

**Full Name**

Solute carrier family 40 member 1

**Introduction**

The protein encoded by this gene is a cell membrane protein that may be involved in iron export from duodenal epithelial cells. Defects in this gene are a cause of hemochromatosis type 4 (HFE4).

**Alternative Names**

SLC40A1; FPN1; HFE4; MTP1; IREG1; MST079; MSTP079; SLC11A3; iron regulated gene 1; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3; solute carrier family 40 (iron-regulated transporter), member 1; Ferroportin-1; Iron-regulated transporter 1; MSTP079; Solute carrier family 40 member 1

**Gene ID**

[30061](#)

**UniProt ID**

[Q9NP59](#)