

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

MTRAGDHNQRGCCGSLADYLTSAKFLLYLGHSLSLWGDRMWHFAVSVFL
VELYGNSSLTAVYGLVAGSVLVLGAIIGDWVDKNARLKVAQTSLVQN
VSVILCGIILMMVFHKHELLTMYHGWVLTSCYILIITIANIANLASTAT
AITIQRDWIVVAGEDRSKLANMNATIRRIDQLTNILAPMAVGQIMTFGS
PVIGCGFISGWNLVSMCVEYVLLWKVYQKTPALAVKAGLKEEETELKQLN
LHKDTEPKPLEGTHLMGVKDSNIHELEHEQEPTCASQMAEPFRTFRDGWV
SYYNQPVFLAGMGLAFLYMTVLGFDCITTGYAYTQGLSGSILSILMGASA
ITGIMGTVAFTWLRRKCGLVRTGLISGLAQLSCLILCVISVFMPGSPLDL
SVSPFEDIRSRIQGESITPTKIEITTEIYMSNGNSNSANIVPETSPESV
PIISVSLLFAGVIAARIGLWSFDLTVTQLLQENVIESERGIINGVQNSMN
YLLDLLHFIMVILAPNPEAFGLLVISVSFVAMGHIMYFRFAQNTLGNKL
FACGPDAKEVRKENQANTSVV

Product Description

Expression Systems

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](#)