SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human SLC39A14 (Solute carrier family 39 member 14) Full Length

Cat. No.: **MPC0854K**
This product is for research use only and is not intended for diagnostic use.

This product is a 54.2 kDa Human SLC39A14 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
SLC39A14

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
54.2 kDa

TMD
6

Sequence
MKLLLLHPAFQSCLLLTLLGLWRTTPEAHASSLGAPAISAASFLQDLIHR
YGEGDSLTLQQLKALLNHLDVGVGRGNVTQHVQGHRNLSTCFSSGDLFTA
HNFSEQSRIGSSELQEFCPTILQQLDSRACTSENQENEENEQTEEGRPSA
VEVWGYGLLCVTVISLCSLLGASVVPFMKKTFYKRLLLYFIALAIGTLYS
NALFQLIPEAFGFNPLEDYYVSKSAVVFGGFYLFFFTEKILKILLKQKNE
HHHGHSHYASESLPSKKDQEEGVMEKLQNGDLDHMIPQHCSSELDGKAPM
VDEKVIVGSLSVQDLQASQSACYWLKGVRYSDIGTLAWMITLSDGLHNFI
DGLAIGASFTVSVFQGISTSVAILCEEFPHELGDFVILLNAGMSIQQALF
FNFLSACCCYLGLAFGILAGSHFSANWIFALAGGMFLYISLADMFPEMNE
VCQEDERKGSILIPFIIQNLGLLTGFTIMVVLTMYSGQIQIG

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

SLC39A14

Full Name

Solute carrier family 39 member 14

Introduction

This gene encodes a member of the the SLC39A family of divalent metal transporters that mediates the cellular uptake of manganese, zinc, iron, and cadmium. The encoded protein contains eight transmembrane domains, a histidine-rich motif, and a metalloprotease motif, and is expressed on the plasma membrane and the endocytic vesicle membrane. It is an important transporter of nontransferrin-bound iron and a critical regulator of manganese homeostasis. Naturally occurring mutations in this gene are associated with neurodegeneration with brain iron accumulation and early-onset parkinsonism-dystonia with hypermanganesemia.

Alternative Names

HCIN; NET34; ZIP14; cig19; HMNDYT2; LZT-Hs4; metal cation symporter ZIP14; LIV-1 subfamily of ZIP zinc transporter 4; Zinc transporter ZIP14; Zrt-, Irt-like protein 14; solute carrier family 39 (metal ion transporter), member 14; solute carrier family 39 (zinc transporter), member 14; zrt- and Irt-like protein 14; SLC39A14; Solute carrier family 39 member 14

Gene ID

23516

UniProt ID

Q15043

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