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Product Information

MemDX™ Membrane Protein Human SLC39A14 (Solute carrier family 39 member 14) for Antibody Discovery

Cat. No.: **MP1234X**
This product is for research use only and is not intended for diagnostic use.

This product is a 53 kDa Human SLC39A14 membrane protein expressed in *In vitro* wheat germ 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
SLC39A14

Protein Length
Full-length

Molecular Weight
53 kDa

TMD
6

Sequence
MKLLLLHPAFQSCLLLTLLGLWRTTPEAHASSPGAPAISAASFLQDLIHRYGEGDSLTLQQLKALLNHLDVGVGRGNVTQHVQGHRN

Product Description

Application
Antibody Production

Expression Systems
in vitro wheat germ expression system

Tag
NO

Protein Format
Liposome

Form

Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

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

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

Gene ID

23516

UniProt ID

Q15043

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