

Product Information

MemDX™ Membrane Protein Human SLC39A5 (Solute carrier family 39 member 5) Full

Length

Cat. No.: **MPC0848K**

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

This product is a 56.4 kDa Human SLC39A5 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

SLC39A5

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

56.4 kDa

TMD

6

Sequence

MMGSPVSHLLAGFCVWVVLGWVGGSVPNLGP AEQEQNH YLAQLFGLYGEN
GTLTAGGLARLLHSLGLGRVQGLRLGQHGPLTGRAASPAADNSTHRPQNP
ELSDVDVWAGMPLGPSWGDLEESKAPHLPRGPAPSGDLLHRLLLLDHSL
ADHLNEDCLNGSQLLVNFGLSPAAPLTPRQFALLCPALLYQIDSRVCIGA
PAPAPPGDLLSALLQSALAVLLLSPSPLSLLLRLGPRLLRPLLGLGFLG
ALAVGTL CGDALLHLLPHAQEGRHAGPGGLPEKDLGPGLSVLGGLFLLFV
LENMLGLLRHRGLRPRCCRRKRRNLETRNLDPENSGSMALQPLQAAPEPG
AQQQREKNSQHPPALAPPGHQGHSHGHQGGTDITWMVLLGDGLHNLTDGL
AIGAAFSDGFSSGLSTTLAVFCHELPHELGDFA MLLQSGLSFRRLLLLSL
VSGALGLGGAVLGVLSLGPVPLTPWVFGVTAGVFLYVALVDMLPALLRP
PEPLTPHVLLQGLGLLLGGGLMLAITLLEERLLPVTTEG

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**

SLC39A5

Full Name

Solute carrier family 39 member 5

Introduction

The protein encoded by this gene belongs to the ZIP family of zinc transporters that transport zinc into cells from outside, and play a crucial role in controlling intracellular zinc levels. Zinc is an essential cofactor for many enzymes and proteins involved in gene transcription, growth, development and differentiation. Mutations in this gene have been associated with autosomal dominant high myopia (MYP24). Alternatively spliced transcript variants have been found for this gene.

Alternative Names

ZIP5; MYP24; LZT-Hs7; zinc transporter ZIP5; solute carrier family 39 (metal ion transporter), member 5; solute carrier family 39 (zinc transporter), member 5; zrt- and Irt-like protein 5; SLC39A5; Solute carrier family 39 member 5

Gene ID

[283375](#)

UniProt ID

[Q6ZMH5](#)