

Product Information

MemDX™ Membrane Protein Human SLC39A8 (Solute carrier family 39 member 8) Full

Length

Cat. No.: **MPC0850K**

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

This product is a 49.6 kDa Human SLC39A8 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

SLC39A8

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

49.6 kDa

TMD

6

Sequence

MAPGRAVAGLLLLAAAGLGGVAEGPGLAFSEDVLSVFGANLSLSAAQLQH
LLEQMGAASRVGVPEPGQLHFNQCLTAEEIFSLHGFSNATQITSSKFSVI
CPAVLQQLNFHPCEDRPKHKTRPSHSEVWGYGFLSVTIINLASLLGLILT
PLIKKSYFPKILTFVGLAIGTLFSNAIFQLIPEAFGFDPKVDSYVEKAV
AVFGGFYLLFFFERMLKMLLKTYGQNGHTHFGNDNFGPQEKTHQPKALPA
INGVTCYANPAVTEANGHIHFDNVSVSLQDGKKEPSSCTCLKGPKLSEI
GTIAWMITLCDALHNFIDGLAIGASCTLSLLQGLSTSIAILCEEFPHEL
DFVILLNAGMSTRQALLFNFLSACSCYVGLAFGILVGNNFAPNIIIFALAG
GMFLYISLADMFPPEMNDMLREKVTGRKTDFTFFMIQNAGMLTGFTAILLI
TLYAGEIELE

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**

SLC39A8

Full Name

Solute carrier family 39 member 8

Introduction

This gene encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke. Multiple transcript variants encoding different isoforms have been found for this gene. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

Alternative Names

ZIP8; CDG2N; PP3105; BIGM103; LZT-Hs6; metal cation symporter ZIP8; BCG induced integral membrane protein BIGM103; BCG-induced integral membrane protein in monocyte clone 103 protein; LIV-1 subfamily of ZIP zinc transporter 6; ZIP-8; Zrt- and Irt-like protein 8; solute carrier family 39 (metal ion transporter), member 8; zinc transporter ZIP8; SLC39A8; Solute carrier family 39 member 8

Gene ID

[64116](#)

UniProt ID

[Q9C0K1](#)