

Product Information

MemDX™ Membrane Protein Human SLC30A4 (Solute carrier family 30 member 4)

Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2769K**

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

This product is a Human SLC30A4 membrane protein expressed *in vitro* *E.coli* 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

SLC30A4

Protein Length

Full Length

Protein Class

Transport

TMD

6

Sequence

MAGSGAWKRLKSMRLRKDDAPLFLNDTSAFDFSDEAGDEGLSRFNKLRVVVADDGSEAPERPVNGAHPTLQADDDSLLDQDLPLTM

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

SLC30A4

Full Name

Solute carrier family 30 member 4

Introduction

Zinc is the second most abundant trace metal in the human body. It is an essential element, serving both a structural role, as in the formation of zinc fingers in DNA-binding proteins, and a catalytic role in metalloenzymes, such as pancreatic carboxypeptidases (e.g., MIM 114852), alkaline phosphatases (e.g., MIM 171760), various dehydrogenases, and superoxide dismutases (e.g., MIM 147450). SLC30A4, or ZNT4, belongs to the ZNT family of zinc transporters. ZNTs are involved in transporting zinc out of the cytoplasm and have similar structures, consisting of 6 transmembrane domains and a histidine-rich cytoplasmic loop.

Alternative Names

SLC30A4; ZNT4; znT-4; zinc transporter 4; solute carrier family 30 (zinc transporter), member 4; Solute carrier family 30 member 4

Gene ID

[7782](#)

UniProt ID

[O14863](#)