

## Product Information

### MemDX™ Membrane Protein Human SLC30A8 (Solute carrier family 30 member 8) Full

#### Length

Cat. No.: **MPC0829K**

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

This product is a 40.7 kDa Human SLC30A8 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

SLC30A8

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

40.7 kDa

##### TMD

6

##### Sequence

MEFLERTYLVNDKAAKMYAFTLESVELQQKPVNKDQCPRERPEELES GGM  
YHCHSGSKPTEKGANEYAYAKWKLCASAICFIFMIAEVVGGHIAGSLAV  
VTDA AHL LID L TS FLL S L FSL W L SSK PPSKRLTFGW HRAEILGALLSILC  
I W VVTGVLVYLACERLLYPDYQIQATVM IIVSSCAVAANIVLTVVLHQRC  
LGHNHKEVQANASVRAAFVHALGDLFQSISVLISALIIFKPEYKIADPI  
CTFIF SILVLA STITILKDFSILLMEGVPKSLNYSVGVKELILAVDGVLSV  
HSLHIWSLTMNQVILSAHVATAASRDSQVVRREIAKALSKSFTMHSLTIQ  
MESPVDQDPDCLFCEDPCD

#### Product Description

##### Expression Systems

HEK293

##### Tag

Flag tag at the N-terminus

### 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

SLC30A8

### Full Name

Solute carrier family 30 member 8

### Introduction

The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene.

### Alternative Names

ZNT8; ZnT-8; zinc transporter 8; solute carrier family 30 (zinc transporter), member 8; zinc transporter ZnT-8; SLC30A8; Solute carrier family 30 member 8

### Gene ID

[169026](#)

### UniProt ID

[Q8IWU4](#)