

## Product Information

### MemDX™ Membrane Protein Human SLC30A5 (Solute carrier family 30 member 5) Full

#### Length

Cat. No.: **MPC0828K**

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

This product is a 84 kDa Human SLC30A5 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

SLC30A5

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

84 kDa

##### TMD

16

##### Sequence

MEEKYGGDVLAGPGGGGGLGPVDVPSARLTKYIVLLCFTKFLKAVGLFES  
YDLLKAVHIVQFIFILKLGTAFFMVLQKPFSSGKTITKHQWIKIFKHAV  
AGCIISLLWFFGLTLCGPLRTLLLFHSDIVVISLLSVLFTSSGGGPAKT  
RGAAFFIIAVICLLLDNDLMAKMAEHPEGHHDSALHMLYTAIAFLGV  
ADHKGGVLLLVLCCKVGFHTASRKLSVDVGGAKRLQALSHLVSVLLLC  
PWVIVLSVTTESKVESWFSLIMPFATVIFVVMILDFYVDSICSVKMEVSK  
CARYGSFPIFISALLFGNFWTHPITDQLRAMNKAHQESTEHLVSGGVVV  
SAIFFILSANILSSPSKRGQKGTIGYSPEGTPLYNFMGDAFQHSSQSIP  
RFIKESLQKILEESDSRQIFYFLCNLLFTFVELFYGVLTNSLGLISDGF  
HMLFDCSALVMGLFAALMSRWKATRIFSYGYGRIELSGFINGLFLIVIA  
FFVFMESVARLIDPPELDTHMLTPVSVGGGLIVNLIGICAFSHAHSHAHGA  
SQGSCHSSDHSLSHHMHGSDHGHGSHSGSAGGGMNANMRGVFLHVLADT  
LGSIGVIVSTVLIEQFGWFIADPLCSLFIAILFLSVVPLIKDACQVLLL  
RLPPEYEKELHIALEKIQKIEGLISYRDPHFWRHSASIVAGTIHIQVTS  
VLEQRIVQQVTGILKDAGVNNLTIQVEKEAYFQHMSGLSTGFHDVLAMTK  
QMESMKYCKDGTIIM

## 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

SLC30A5

### Full Name

Solute carrier family 30 member 5

### Introduction

This gene encodes a member of the SLC30A/ZnT family of zinc transporter proteins. ZnT proteins mediate both cellular zinc efflux and zinc sequestration into membrane-bound organelles. The encoded protein plays a role in the early secretory pathway as a heterodimer with zinc transporter 6, and may also regulate zinc sequestration into secretory granules of pancreatic beta cells. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 19.

### Alternative Names

ZNT5; ZTL1; ZNTL1; ZnT-5; zinc transporter 5; solute carrier family 30 (zinc transporter), member 5; zinc transporter ZTL1; znT-like transporter 1; SLC30A5; Solute carrier family 30 member 5

### Gene ID

[64924](#)

### UniProt ID

[Q8TAD4](#)