

# Product Information

## MemDX™ Membrane Protein Human SLC17A3 (Solute carrier family 17 member 3) Full

### Length

Cat. No.: **MPC0754K**

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

This product is a 46.1 kDa Human SLC17A3 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

SLC17A3

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

46.1 kDa

#### TMD

8

#### Sequence

MATKTELSPTARESKNAQDMQVDETLIPRKVPSLCSARYGIALVLHFCNF  
TTIAQNVIMNITMVAMVNSTSPQSQLNDSSEVLPVDSFGGLSKAPKSLPA  
KSSILGGQFAIWEKWGPPQERSRLCSIALSGMLLGCFTAILIGGFISLTL  
GWPFVFIYIFGGVGCVCCLLWFVVIYDDPVSYPWISTSEKEYIISLKKQV  
GSSKQPLPIKAMLRSLPIWSICLGCFSHQWLVTMVVYIPTYISSVYHVN  
IRDNGLLSALPFIVAWVIGMVGGLADFLTKKFRLLITVRKIATILGSLP  
SSALIVSLPYLNSGYITATALLTLSCGLSTLCQSGIYINVLDIAPRYSSF  
LMGASRGFSSIAPVIVPTVSGFLLSQDPEFGWRNVFFLLFAVNLLGLLFY  
LIFGEADVQEWAKERKLTRL

### 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**

SLC17A3

### **Full Name**

Solute carrier family 17 member 3

### **Introduction**

The protein encoded by this gene is a voltage-driven transporter that excretes intracellular urate and organic anions from the blood into renal tubule cells. Two transcript variants encoding different isoforms have been found for this gene. The longer isoform is a plasma membrane protein with transporter activity while the shorter isoform localizes to the endoplasmic reticulum.

### **Alternative Names**

NPT4; GOUT4; UAQTL4; sodium-dependent phosphate transport protein 4; Na(+)/PI cotransporter 4; sodium/phosphate cotransporter 4; solute carrier family 17 (organic anion transporter), member 3; solute carrier family 17 (sodium phosphate), member 3; SLC17A3; Solute carrier family 17 member 3

### **Gene ID**

[10786](#)

### **UniProt ID**

[Q00476](#)