

## Product Information

### MemDX™ Membrane Protein Human SLC20A2 (Solute carrier family 20 member 2) Full

#### Length

Cat. No.: **MPC1401K**

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

This product is a 70.3 kDa Human SLC20A2 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

SLC20A2

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

70.3 kDa

##### TMD

12

##### Sequence

MAMDEYLWMVILGFIIAFILAFSVGANDVANSFGTAVGSGVVTLRQACIL  
ASIFETTGSVLLGAKVGETIRKGIIDVNLYNETVETLMAGEVSAMVGSAV  
WQLIASFLRLPISGTHCIVGSTIGFSLVAIGTKGVQWMELVKIVASWFIS  
PLLSGFMSGLLFVLIRIFILKKEDPVPNGLRALPVFYAATIAINVFSIMY  
TGAPVLGLVLPMAIALISFGVALLFAFFVWLFVCPWMRRKITGKLQKEG  
ALSRVSDLSKVQEAESPVKELPGAKANDDSTIPLTGAAGETLGTSEG  
TSAGSHPRAAAYGRALSMTHGSVKSPISNGTGFDFGHTRSDGHVYHTVHKD  
SGLYKDLLHKIHIDRGPEEKPAQESNYRLLRRNNSYTCYTAICGLPVHA  
TFRAADSSAPEDSEKLVGDTVSYSKRLRYDSYSSYCNAAVAEAEIEAEEG  
GVEMKLASELADPDQPREDPAAEEKEEKDAPEVHLLFHFLQVLTACFGSF  
AHGGNDVSNAIGPLVALWLIYKQGGVTQEAATPWLLFYGGVGICTGLWW  
WGRRVIQTMGKDLTPITPSSGFTIELASAFTVVIASNIGLPVSTTHCKVG  
SVVAVGWIRSRKAVDWRLFRNIFVAWFVTPVAGLFSAAVMALLMYGILP  
YV

#### 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 -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

SLC20A2

### Full Name

Solute carrier family 20 member 2

### Introduction

This gene encodes a member of the inorganic phosphate transporter family. The encoded protein is a type 3 sodium-dependent phosphate symporter that plays an important role in phosphate homeostasis by mediating cellular phosphate uptake. The encoded protein also confers susceptibility to viral infection as a gamma-retroviral receptor. Mutations in this gene may play a role in familial idiopathic basal ganglia calcification. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

### Alternative Names

SLC20A2; PIT2; RAM1; GLVR2; IBGC1; IBGC2; IBGC3; MLVAR; PIT-2; Ram-1; GLVR-2; sodium-dependent phosphate transporter 2; epididymis secretory sperm binding protein; gibbon ape leukemia virus receptor 2; murine leukemia virus, amphotropic, receptor for; murine leukemia virus, amphotropic; receptor; solute carrier family 20 (phosphate transporter), member 2; Solute carrier family 20 member 2

### Gene ID

[6575](#)

### UniProt ID

[Q08357](#)