

Product Information

MemDX™ Membrane Protein Human SLC20A1 (Solute carrier family 20 member 1) Full

Length

Cat. No.: **MPC1117K**

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

This product is a 73.7 kDa Human SLC20A1 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

SLC20A1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

73.7 kDa

TMD

10

Sequence

MATLITSTTAATAASGPLVDYLVWMLILGFIIAFVLAFSVGANDVANSFGT
AVGSGVVTLLKQACILASIFETVGSVLLGAKVSETIRKGLIDVEMYNSTQG
LLMAGSVSAMFGSAVWQLVASFLKLPISGTHCIVGATIGFSLVAKGQEGV
KWSELIKIVMSWVFSPLLSGIMSGILFFLVRAFILHKADVPVNGLRALPV
FYACTVGINLFSIMYTGAPLLGFDKLPLWGTILISVGCALIVWFFV
CPRMKRKIEREIKCSPSESPLEKKNLSLKEDHEETKLSVGDIENKHPVSE
VGPATVPLQAVVEERTVSFKLGDLEEAPERERLPSVDLKEETSIDSTVNG
AVQLPNGNLVQFSQAVSNQINSSGHYQYHTVHKDSGLYKELLHKLHLAKV
GDCMGDSGDKPLRRNNSYTSYTMAICGMPLDSFRAKEGEQKGEEMEKLTV
PNADSKKRIRMDSYTSYCNVSDLHSAEIDMSVKAEMGLGDRKGSNGSL
EEWYDQDKPEVSLLFQFLQILTACFGSFAHGGNDVSNAGPLVALYLVYD
TGDVSSKVVATPIWLLLYGGVGICVGLWWGRRVIQTMGKDLTPITPSSGF
SIELASALTTVIASNIGLPISTTHCKVGSVVSVGWLRSSKKAVDWRLFRNI
FMAWFVTVPISGVISAAIMAFRYVILRM

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

SLC20A1

Full Name

Solute carrier family 20 member 1

Introduction

The protein encoded by this gene is a sodium-phosphate symporter that absorbs phosphate from interstitial fluid for use in cellular functions such as metabolism, signal transduction, and nucleic acid and lipid synthesis. The encoded protein is also a retroviral receptor, causing human cells to be susceptible to infection by gibbon ape leukemia virus, simian sarcoma-associated virus, feline leukemia virus subgroup B, and 10A1 murine leukemia virus.

Alternative Names

SLC20A1; PIT1; GLVR1; PiT-1; Glvr-1; sodium-dependent phosphate transporter 1; gibbon ape leukemia virus receptor 1; leukemia virus receptor 1 homolog; solute carrier family 20 (phosphate transporter), member 1; Solute carrier family 20 member 1

Gene ID

[6574](#)

UniProt ID

[Q8WUM9](#)