

Product Information

MemDX™ Membrane Protein Human SLC37A4 (Solute carrier family 37 member 4) Full

Length

Cat. No.: **MPC1699K**

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

This product is a 46.3 kDa Human SLC37A4 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

SLC37A4

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

46.3 kDa

TMD

10

Sequence

MAAQGYGYRTVIFSAMFGGYSLYYFNRKTFVSFVMPSLVEEIPDKDDL
FITSSQSAAYAISKFVSGVLSQMSARWLFSSGLLLVGLVNIFFAWSSTV
PVFAALWFLNGLAQGLGWPPCGKVLKWFEPSTQFQGTWWAILSTSMNLAGG
LGPILATILAQSYSWRSTLALSGALCVVVSFLCLLLIHNEPADVGLRNLD
PMPSEGKKGSLKEESTLQELLLSPYLWWLSTGYLVVFGVKTCCTDWGQFF
LIQEKQGSALVGSSYMSALEVGGVLVGSIAAGYLSDRAMAKAGLSNYGNPR
HGLLLFMMAGMTVSMYLFRTVTSDSPKLWILVLGAVFGFSSYGPIALFG
VIANESAPPNLCGTSHAIVGLMANVGGFLAGLPFSTIAKHYSWSTAFWVA
EVICAATAAFFLLRNIRTKMGRVSKKAE

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

SLC37A4

Full Name

Solute carrier family 37 member 4

Introduction

This gene regulates glucose-6-phosphate transport from the cytoplasm to the lumen of the endoplasmic reticulum, in order to maintain glucose homeostasis. It also plays a role in ATP-mediated calcium sequestration in the lumen of the endoplasmic reticulum. Mutations in this gene have been associated with various forms of glycogen storage disease. Alternative splicing in this gene results in multiple transcript variants.

Alternative Names

SLC37A4; G6PT1; G6PT2; G6PT3; GSD1b; GSD1c; GSD1d; TRG19; TRG-19; PRO0685; glucose-6-phosphate exchanger SLC37A4; glucose-5-phosphate transporter; glucose-6-phosphatase, transport (glucose) protein 3; glucose-6-phosphatase, transport (glucose-6-phosphate) protein 1; glucose-6-phosphatase, transport (phosphate/pyrophosphate) protein 2; glucose-6-phosphate translocase; microsomal glucose-6-phosphate transporter; solute carrier family 37 (glucose-6-phosphate transporter), member 4; transformation-related gene 19 protein; Solute carrier family 37 member 4

Gene ID

[2542](#)

UniProt ID

[O43826](#)