

# Product Information

## MemDX™ Membrane Protein Human SLC37A1 (Solute carrier family 37 member 1) Full

### Length

Cat. No.: **MPC2201K**

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

This product is a 57.6 kDa Human SLC37A1 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

SLC37A1

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

57.6 kDa

#### TMD

12

#### Sequence

MARLPAGIRFIISFSDQWYRAFIFILTFLLYASFHLSRKPISIVKGELH  
KYCTAWDEADVRFSSQNRKSGSAAPHQLPDNETDCGWAPFDKNNYQQLLG  
ALDYSFLCAYAVGMYLSGIIGERLPIRYYLTFGMLASGAFTALFGLGYFY  
NIHSFGFYVVTQVINGLVQTTGWPSVVTCLGNWFGKGRRGLIMGVWNSHT  
SVGNILGSLIAGYWVSTCWGLSFVVPGAIVAAMGIVCFLFLIEHPNDVRC  
SSTLVTHSKGYENGTNRLRLQKQILKSEKNKPLDPEMQCLLLSDGKGSIH  
PNHVILPGDGGSGTAAISFTGALKIPGVIEFSLCLLFAKLVSYTFLEWL  
PLYITNVHDHLDAKKAGELSTLFDVGGIFGGILAGVISDRLEKRASTCGLM  
LLLAAPTLYIFSTVSKMGLEATIAMLLLSGALVSGPYTLITTAVSADLGT  
HKSLKGNAHALSTVTAIIDGTGSGVGAALGPLLAGLLSPSGWSNVFYMLMF  
ADACALLFLIRLIHKELSCPGSATGDQVPFKEQ

### 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**

SLC37A1

**Full Name**

Solute carrier family 37 member 1

**Introduction**

The protein encoded by this gene localizes to the endoplasmic reticulum (ER) membrane. This protein translocates glucose-6-phosphate from the cytoplasm into the lumen of the ER for hydrolysis into glucose by another ER membrane protein. This gene is a member of the solute carrier 37 gene family. Alternative splicing results in multiple transcript variants.

**Alternative Names**

SLC37A1; G3PP; glucose-6-phosphate exchanger SLC37A1; G-3-P permease; G-3-P transporter; glycerol-3-phosphate permease; glycerol-3-phosphate transporter; solute carrier family 37 (glucose-6-phosphate transporter), member 1; solute carrier family 37 (glycerol-3-phosphate transporter), member 1; Solute carrier family 37 member 1

**Gene ID**

[54020](#)

**UniProt ID**

[P57057](#)