

# Product Information

## MemDX™ Membrane Protein Human MAGT1 (Magnesium transporter 1) Full Length

Cat. No.: **MPC1005K**

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

This product is a 38 kDa Human MAGT1 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

MAGT1

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

38 kDa

#### TMD

4

#### Sequence

MAARWRFWCVSVTMVVALLIVCDVPSASAQRKKEMVLSEKVSQLEWNTNK  
RPVIRMNGDKFRRLVKAPPRNYSVIVMFTALQLHRQCVVCKQADEEFQIL  
ANSWRYSSAFTNRIFAMVDFDEGSDVFQMLNMNSAPTFINFPKGGPKR  
GDTYELQVRGFSAEQIARWIADRTDVNIRVIRPPNYAGPLMLGLLLAVIG  
GLVYLRRSNMEFLFNKTGWAFALCFVLAMTSGQMWNHIRGPPYAHKNPH  
TGHVNYIHGSSQAQFVAETHIVLLFNGGVTLGMVLLCEAATSDMDIGKRK  
IMCVAGIGLVVLFSSWMLSIFRSKYHGYPSFLMS

### 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**

MAGT1

**Full Name**

Magnesium transporter 1

**Introduction**

This gene encodes a ubiquitously expressed magnesium cation transporter protein that localizes to the cell membrane. This protein also associates with N-oligosaccharyl transferase and therefore may have a role in N-glycosylation. Mutations in this gene cause a form of X-linked intellectual disability (XLID). This gene may have multiple in-frame translation initiation sites, one of which would encode a shorter protein with an N-terminus containing a signal peptide at amino acids 1-29.

**Alternative Names**

MAGT1; IAP; XMEN; MRX95; OST3B; CDG1CC; PRO0756; SLC58A1; bA217H1.1; magnesium transporter protein 1; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit MAGT1; implantation-associated protein; oligosaccharyl transferase subunit MAGT1; oligosaccharyltransferase 3 homolog B; Magnesium transporter 1

**Gene ID**

[84061](#)

**UniProt ID**

[Q9H0U3](#)