

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

MAARWRFWCVSVTMVVALLIVCDVPSASAQRKKEMVLSEKVSQLMEMWTNK
RPVIRMNGDKFRRLVKAPPRNYSVIVMFTALQLHRQCVVCKQADEFQIL
ANSWRYSSAFTNRIFFAMVDFDEGSDFQMLNMNSAPTFINFPAKGKPKR
GDTYELQVRGFSAEQIARWIADRTDVNIRPPNYAGPLMLGLLLAVIG
GLVYLRRSNMEFLFNKTGWAFAALCFVLAMTSGQMWNHIRGPPYAHKNPH
TGHVNYIHGSSQAQFVAETHIVLLNGGVTLGMVLLCEAATSDMDIGKRK
IMCVAGIGLVVLFFSWMLSIFRSKYHGYPYSFLMS

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](#)