

# Product Information

## MemDX™ Membrane Protein Human TMEM41B (Transmembrane protein 41B)

Cat. No.: **MP0012J**

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

This product is a 32.3 kDa Human TMEM41B membrane protein expressed in HEK293T. 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

TMEM41B

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

32.3 kDa

#### TMD

6

#### Sequence

MAKGRVAERSQLGAHHTTPVGDGAAGTRGLAAPGSRDHQKEKSWVEAGSARMSLLILVSIFLSAAFVMFL  
VYKNFPQLSEEERNMKVPRDMDDAKALGKVLISKYKDTFYVQVLVAYFATYIFLQTFAIPGSIFLSILSG  
FLYPFPLALFLVCLCSGLGASFCYMLSYLVGRPVVYKYLTEKAVKWSQQVERHREHLINYIIFLRITPFL  
PNWFINITSPVINVPLKVFFIGTFLGVAPPSFVAIKAGTTLYQLTTAGEAVSWNSIFILMILAVLSILPA  
IFQKKLKQKFE

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Powder

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

TMEM41B

**Full Name**

Transmembrane protein 41B

**Introduction**

Required for autophagosome formation. Participates in early stages of autophagosome biogenesis at the ER membrane probably via mobilization of neutral lipids from lipid droplets. Required for normal motor neuron development. Essential for embryonic development.

**Alternative Names**

KIAA0033; MGC33897; MGC57262; transmembrane protein 41B

**Gene ID**

[440026](#)

**UniProt ID**

[Q5BJD5](#)