

# Product Information

## **MemDX™ Membrane Protein Human TMCO1 (Transmembrane and coiled-coil domains 1) expressed in *In vitro* wheat germ expression system for Antibody Discovery**

Cat. No.: **MP1378X**

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

This product is a 47.6 kDa Human TMCO1 membrane protein expressed in *In vitro* wheat germ expression system. 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

TMCO1

#### Protein Length

Full-length

#### Molecular Weight

47.6 kDa

#### TMD

2

#### Sequence

MSTMFADTLLIVFISVCTALLAEGITWVLVYRTDKYKRLKAEVEKQSKKLEKKKETITESAGRQKKKKIERQEEKLKNNNRDLISMVRM

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Protein Format

Liposome

#### Form

Liquid

### **Purification**

Glutathione Sepharose 4 Fast Flow

### **Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

### **Storage**

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

## **Target**

### **Target Protein**

TMCO1

### **Full Name**

Transmembrane and coiled-coil domains 1

### **Introduction**

This locus encodes a transmembrane protein. Mutations at this locus have been associated with craniofacial dysmorphism, skeletal anomalies, and cognitive disability. Mutations at this locus have also been associated with open angle glaucoma blindness. Alternatively spliced transcript variants have been described.

### **Alternative Names**

PCIA3; TMCC4; HP10122; PNAS-136; calcium load-activated calcium channel; CLAC channel; Ca(2+) load-activated Ca(2+) channel; putative membrane protein; transmembrane and coiled-coil domain-containing protein 1; transmembrane and coiled-coil domains 4; xenogeneic cross-immune protein PCIA3

### **Gene ID**

[54499](#)

### **UniProt ID**

[Q9UM00](#)