

# Product Information

## MemDX™ Membrane Protein Human TBC1D20 (TBC1 domain family member 20)

Cat. No.: **MP0276J**

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

This product is a 45.7 kDa Human TBC1D20 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

TBC1D20

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

45.7 kDa

#### TMD

2

#### Sequence

MALRSAQGDGPTSGHWGGAEKADFNAKRKKVAEIHQALNSDPTDVAALRRMAISEGGLLTDEIRRKVW  
PKLLNVNANDPPPISGKNLRQMSKDYQQVLLDVRRSLRRFPPGMPEEQREGLQEELIDILLILERNPQL  
HYYQGYHDIVVTFLVVGERLATSLVEKLSTHHLRDFMDPTMDNTKHILNYLMPIIDQVNPELHDFMQSA  
EVGTIFALSWLITWFGHVLSDFRHVVRLYDFFLACHPLMPIYFAAVIVLYREQEVLCDCDCMASVHHLLS  
QIPQDLPYETLISRAGDLVQFPPSELAREAQQQAERTAASTFKDFELASAQQRPDMVLQRFRGLLR  
PEDRTKDVLTkpRTNRFVKLAVMGLTVALGAAALAVVKALEWAPKFQLQLFP

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Liquid

**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**

TBC1D20

**Full Name**

TBC1 domain family member 20

**Introduction**

This gene encodes a protein that belongs to a family of GTPase activator proteins of Rab-like small GTPases. The encoded protein and its cognate GTPase, Rab1, bind the nonstructural protein 5A (NS5A) of the hepatitis C virus (HCV) to mediate viral replication. Depletion of this protein inhibits replication of the virus and HCV infection. Mutations in this gene are associated with Warburg micro syndrome 4. Alternative splicing results in multiple transcript variants.

**Alternative Names**

WARBM4; C20orf140

**Gene ID**

[128637](#)

**UniProt ID**

[Q96BZ9](#)