

# Product Information

## MemDX™ Membrane Protein Human TMEM97 (Transmembrane protein 97)

Cat. No.: **MP0009J**

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

This product is a 20.7 kDa Human TMEM97 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

TMEM97

#### Protein Length

Full-length

#### Protein Class

Transmembrane

#### Molecular Weight

20.7 kDa

#### TMD

4

#### Sequence

MGAPATRRRCVEWLLGLYFLSHIPITLFMDLQAVLPRELYPVEFRNLLKWYAKEFKDPLLQEPPAWFKSFL  
FCELVFQLPFFPIATYAFLKGCKWIRTPAIISVHTMTTLIPILSTFLFEDFSKASGFKGQRPETLHER  
LTLVSVYAPYLLIPFILLIFMLRSPYYKYEEKRKKK

### 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**

TMEM97

**Full Name**

Transmembrane protein 97

**Introduction**

Intracellular orphan receptor that binds numerous drugs and which is highly expressed in various proliferating cancer cells. Corresponds to the sigma-2 receptor, which is thought to play important role in regulating cell survival, morphology and differentiation. Under investigation for its potential diagnostic and therapeutic uses. May play a role as a regulator of cellular cholesterol homeostasis. May function as sterol isomerase. May alter the activity of some cytochrome P450 proteins.

**Alternative Names**

MAC30; sigma intracellular receptor 2; meningioma-associated protein 30; sigma-2 receptor; sigma2 receptor

**Gene ID**

[27346](#)

**UniProt ID**

[Q5BJF2](#)