

# Product Information

## MemDX™ Membrane Protein Human AQP1 (Aquaporin 1) for Antibody Discovery

Cat. No.: **MP1125J**

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

This product is a 28.3 kDa Human AQP1 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

AQP1

#### Protein Length

Full-length

#### Protein Class

Druggable Genome, Ion Channels: Other, Transmembrane

#### Molecular Weight

28.3 kDa

#### TMD

6

#### Sequence

MASEFKKKLFWRAVVAEFLATTLFVFISIGSALGFKYPVGNNQTTVQDNVKVSLAFGLSIATLAQSVGHI  
SGAHLNPAVTLGLLLSCQISIFRALMYIIAQCVGAIVATAILSGITSSLTGNSLGRNDLADGVNSGQGLG  
IEIIGTLQLVLCVLATTDRLRRRRDLGGSAPLAIGLSVALGHLLAIDYTGCGINPARSFGSAVITHNFSNHW  
IFWVGPFIGGALAVLIYDFILAPRSSDLTDRLVKVWTSGQVEEYDLADADDINSRVEMKPK

### 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**

AQP1

**Full Name**

Aquaporin 1

**Introduction**

This gene encodes a small integral membrane protein with six bilayer spanning domains that functions as a water channel protein. This protein permits passive transport of water along an osmotic gradient. This gene is a possible candidate for disorders involving imbalance in ocular fluid movement.

**Alternative Names**

CO; CHIP28; AQP-CHIP

**Gene ID**

[358](#)

**UniProt ID**

[P29972](#)