

# Product Information

## MemDX™ Membrane Protein Human AQP5 (Aquaporin 5) for Antibody Discovery

Cat. No.: **MP1437J**

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

This product is a 28.3 kDa Human AQP5 membrane protein expressed in *E.coli*. 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

AQP5

#### Protein Length

Full-length

#### Protein Class

Aquaporin

#### Molecular Weight

28.3 kDa

#### TMD

6

#### Sequence

MKKEVCSVAFLKAVFAEFLATLIFVFFGLGSALKWPSALPTILQIALAFGLAIGTLAQALGPVSGGHINPAITLALLVGNQISLLRAFFYY

### Product Description

#### Expression Systems

*E.coli*

#### Form

Liquid or Lyophilized powder

#### Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

#### Purity

>85% as determined by SDS-PAGE

**Buffer**

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Storage**

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

**Target****Target Protein**

AQP5

**Full Name**

Aquaporin 5

**Introduction**

Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13.

**Alternative Names**

AQP 5; AQP-5; AQP5; AQP5\_HUMAN; Aquaporin 5; Aquaporin-5

**Gene ID**

[362](#)

**UniProt ID**

[P55064](#)