

# Product Information

## MemDX™ Membrane Protein Human AQP9 (Aquaporin 9) expressed in *E.coli* for Antibody

### Discovery

Cat. No.: **MP1442J**

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

This product is a 31.4 kDa Human AQP9 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

AQP9

#### Protein Length

Full-length

#### Protein Class

Aquaporin

#### Molecular Weight

31.4 kDa

#### TMD

6

#### Sequence

MQPEGAEKGKSFQRLVLKSSLAKETLSEFLGTFILIVLGCGCVAQAILSRGRFGGVITINVGFSMAVAMAIYVAGGVSGGHINPAVS

### Product Description

#### Expression Systems

*E.coli*

#### Tag

N-His or Tag-Free

#### Form

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**

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**

AQP9

**Full Name**

Aquaporin 9

**Introduction**

Forms a water channel with a broad specificity. Also permeable glycerol and urea. Mediates passage of a wide variety of small, non-charged solutes including carbamides, polyols, purines, and pyrimidines.

**Alternative Names**

AQP 9; AQP-9; Aqp9; AQP9\_HUMAN; Aquaglyceroporin-9; Aquaporin 9; Aquaporin-9; Aquaporin9; HsT 17287; HsT17287; Small solute channel 1; SSC 1; SSC1; T17287

**Gene ID**

[366](#)

**UniProt ID**

[Q43315](#)