

# Product Information

## MemDX™ Membrane Protein Human AQP5 (Aquaporin 5) Full Length

Cat. No.: **MPC0394K**

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

This product is a 28.2 kDa Human AQP5 membrane protein expressed in *Komagataella pastoris*. 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

Transporter

#### Molecular Weight

28.2 kDa

#### TMD

6

#### Sequence

MKKEVCSVAFLKAVFAEFLATLIFVFFGLGSALKWPSALPTILQIALAFG  
LAIGTLAALGPVSGGHINPAITLALLVGNQISLLRAFFYVAAQLVGAIA  
GAGILYGVAPLNARGNLAVNALNNNTTQGGQAMVVELILTFQLALCIFAST  
DSRRTSPVGSPALSIGLSVTLGHLVGIIYFTGCSMNPARSFGPAVVMNRFSS  
PAHWVFWVGPIVGAVLAAILYFYLLFPNSLSLSERVAIKGTYPDEDWE  
EQRERKKTMELTTR

### Product Description

#### Expression Systems

*Komagataella pastoris*

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**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**

PPKB; AQP-5; aquaporin-5; AQP5; Aquaporin 5

**Gene ID**

[362](#)

**UniProt ID**

[P55064](#)