

Product Information

MemDX™ Membrane Protein Human AQP1 (Aquaporin 1 (Colton blood group)) Expressed in *E.coli* with 6xHis and SUMO tag at the N-terminus for Antibody Discovery, Partial (220-269aa)

Cat. No.: **MPX4242K**

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

This product is a 21.6kDa Human AQP1 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

AQP1

Protein Length

Partial (220-269aa)

Protein Class

Transporter

Molecular Weight

21.6kDa

TMD

6

Sequence

GALAVLIYDFILAPRSSDLTDRVKVWTSGQVEEYDL DADDINSRVEMKPK

Product Description

Expression Systems

E.coli

Tag

6xHis and SUMO tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

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**

AQP1

Full Name

Aquaporin 1 (Colton blood group)

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; aquaporin-1; Colton blood group antigen; aquaporin 1 (channel-forming integral protein, 28kDa, CO blood group); aquaporin 1, Colton blood group antigen; aquaporin-CHIP; channel-like integral membrane protein, 28-kDa; urine water channel; water channel protein for red blood cells and kidney proximal tubule; AQP1; Aquaporin 1 (Colton blood group)

Gene ID

[358](#)

UniProt ID

[P29972](#)