

Product Information

MemDX™ Membrane Protein Human AQP1 (Aquaporin 1, transcript variant 4) for Antibody

Discovery

Cat. No.: **MP1233J**

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

This product is a 17.1 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

17.1 kDa

TMD

6

Sequence

MQSGMGWNVLDLFWLADGVNSGQGLGIEIIGTLQLVLCVLATTDRLRRRDLGGSAPLAIGLSVALGHLLAID
YTGCGINPARSFGSAVITHNFSNHWIFWVGPIGGALAVLIYDFILAPRSSDLTDRVKVWTSGQVEEYDL
DADDINSRVEMKPK

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; 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

Gene ID

[358](#)

UniProt ID

[P29972](#)