

Product Information

MemDX™ Membrane Protein Human AQP9 (Aquaporin 9) Full Length

Cat. No.: **MPC0398K**

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 Baculovirus/Insect expression system. 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

Transporter

Molecular Weight

31.4 kDa

TMD

6

Sequence

MQPEGAEKGKSFQRLVLKSSLAKETLSEFLGTFILIVLGCVCVAQAILS
RGRFGGVITINVGFSMAVAMAIYVAGGVSGGHINPAVSLAMCLFGRMKWF
KLPHYVGAQFLGAFVGAATVFGIYYDGLMSFAGGKLLIVGENATAHIFAT
YPAPYLSLANAFADQVVATMILLIIVFAIFDSRNLGAPRGLEPIAIGLLI
IVIASSLGLNSGCAMNPARDLSPRLFTALAGWGFEVFRAGNNFWWIPVVG
PLVGAIVIGGLIYVLVIEIHHPEPDSVFKTEQSEDKPEKYELSVIM

Product Description

Expression Systems

Baculovirus/Insect expression system

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**

AQP9

Full Name

Aquaporin 9

Introduction

The aquaporins are a family of water-selective membrane channels. This gene encodes a member of a subset of aquaporins called the aquaglyceroporins. This protein allows passage of a broad range of noncharged solutes and also stimulates urea transport and osmotic water permeability. This protein may also facilitate the uptake of glycerol in hepatic tissue. The encoded protein may also play a role in specialized leukocyte functions such as immunological response and bactericidal activity. Alternate splicing results in multiple transcript variants.

Alternative Names

SSC1; AQP-9; T17287; HsT17287; aquaporin-9; aquaglyceroporin-9; small solute channel 1; AQP9; Aquaporin 9

Gene ID

[366](#)

UniProt ID

[Q43315](#)