

Product Information

MemDX™ Membrane Protein Arabidopsis thaliana (Mouse-ear cress) PIP1;4 (Plasma membrane intrinsic protein 1;4) for Antibody Discovery

Cat. No.: **MP1462J**

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

This product is a 30.7 kDa Arabidopsis thaliana (Mouse-ear cress) PIP1;4 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

Arabidopsis thaliana (Mouse-ear cress)

Target Protein

PIP1;4

Protein Length

Full-length

Protein Class

Aquaporin

Molecular Weight

30.7 kDa

TMD

6

Sequence

MEGKEEDVRVGANKFPERQPIGTSAQSTDKDYKEPPAPLFEPEGELSSWSFYRAGIAEFIATFLFLYITVLTVMGVKRAPNMCASVG

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**

PIP1;4

Full Name

Plasma membrane intrinsic protein 1;4

Introduction

Aquaporins facilitate the transport of water and small neutral solutes across cell membranes.

Alternative Names

PIP1.4; TMPC; At4g00430; A_IG005I10.2; F5I10.2; Probable aquaporin PIP1-4; Plasma membrane intrinsic protein 1-4; AtPIP1;4; Transmembrane protein C; TMP-C; A_IG005I10.2; F5I10_2; PIP1E; plasma membrane intrinsic protein 1;4; PLASMA MEMBRANE INTRINSIC PROTEIN 1E; TRANSMEMBRANE PROTEIN C

Gene ID

[827956](#)

UniProt ID

[Q39196](#)