

Product Information

MemDX™ Membrane Protein Dictyostelium discoideum (Slime mold) DDB_G0279443

(Hypothetical protein) for Antibody Discovery

Cat. No.: **MP1444J**

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

This product is a 31.2 kDa Dictyostelium discoideum (Slime mold) DDB_G0279443 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

Dictyostelium discoideum (Slime mold)

Target Protein

DDB_G0279443

Protein Length

Full-length

Protein Class

Aquaporin

Molecular Weight

31.2 kDa

TMD

6

Sequence

MSLKRSDDYQDLEEGIAMEDGGNIKDEEEKPLDPIEEQNKKRWVLIRAVLGELLCTFLFVYVLCATSANFIRLGSPNPVVGGLSTG

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**

DDB_G0279443

Full Name

Hypothetical protein

Introduction

Putatively gated water-specific channel, requiring a cysteine residue within the channel. Impermeable to water, glycerol and urea when expressed in *Xenopus* oocytes. Not regulated by pH; channels remain impermeable to water at pH 7.4 and 5.2.

Alternative Names

aqpB; DDB_G0279443Aquaporin-B

Gene ID

[8622035](#)

UniProt ID

[Q54WT8](#)