

Product Information

MemDX™ Membrane Protein Arabidopsis thaliana (Mouse-ear cress) NIP5;1 (NOD26-like intrinsic protein 5;1) for Antibody Discovery

Cat. No.: **MP1459J**

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

This product is a 31.5 kDa Arabidopsis thaliana (Mouse-ear cress) NIP5;1 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

NIP5;1

Protein Length

Full-length

Protein Class

Aquaporin

Molecular Weight

31.5 kDa

TMD

6

Sequence

MAPPEAEVGAVMVMAPPTPGTPGTPGGPLITGMRVDSMSFDHRKPTPRCKCLPVMGSTWGQHDTCTDFPSPDVSLTRKLGAEP

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**

NIP5;1

Full Name

NOD26-like intrinsic protein 5;1

Introduction

Boric acid transporter. Low water transport activity. Plays an important role as plasma membrane boric acid channel for the boron uptake required for plant growth and development under boron limitation.

Alternative Names

NIP5-1; NLM6; At4g10380; F24G24.180 Probable aquaporin NIP5-1; NOD26-like intrinsic protein 5-1; AtNIP5;1; Nodulin-26-like major intrinsic protein 6; NodLikeMip6; Protein NLM6; NIP5;1; F7L13.6; NLM8; NOD26-LIKE MIP 6; NOD26-LIKE MIP 8

Gene ID

[826630](#)

UniProt ID

[Q9SV84](#)