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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
MAPPEAEVGAVMVMAPPTPGTPGTPGGPLITGMRVDSMSFDHRKPTPRCKCLPVMGSTWGQHDTCFTDFPSPDVSLTRKLGAEF

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; F24G24.180Probable 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

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