

# Product Information

## MemDX™ Membrane Protein *Oryza sativa* subsp. *japonica* (Rice) LOC107276403 (Aquaporin NIP1-4) for Antibody Discovery

Cat. No.: **MP1454J**

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

This product is a 28.4 kDa *Oryza sativa* subsp. *japonica* (Rice) LOC107276403 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

*Oryza sativa* subsp. *japonica* (Rice)

#### Target Protein

LOC107276403

#### Protein Length

Full-length

#### Protein Class

Aquaporin

#### Molecular Weight

28.4 kDa

#### TMD

6

#### Sequence

MARREVDDSYTNGSVVEVVSIEEGSKMDKEDDHQNPQAPDGGDVVVCMPMSFTFLQMLLAFLATFFFLMFAGLGAITVEEKKG

### 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**

LOC107276403

**Full Name**

Aquaporin NIP1-4

**Introduction**

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

**Alternative Names**

NIP1-4; Os06g0552700; LOC\_Os06g35930; P0427B07.13; Aquaporin NIP1-4; NOD26-like intrinsic protein 1-4; OsNIP1;4; LOC107276403

**Gene ID**

[107276403](#)

**UniProt ID**

[Q5Z9E2](#)