

Recombinant Full Length *Oryza Sativa* Subsp. Japonica Aquaporin Nip1-2(Nip1-2) Protein, His-Tagged

Cat. No. RFL33882OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Aquaporin NIP1-2(NIP1-2) Protein (Q0JPT5) (1-303aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
Protein Length	Full Length (1-303)
Form	Lyophilized powder
AA Sequence	MAGREDGAAAGAMEEGQDSKEVKCESSEDGSSSSSSSRCHGNDVISVQFMQKVH PWCMCMNKNLLILAEILGTYFMIFAGCGAVVVNQSTGGAVTFPGICAVWGLVVMVLV YTVSHISGAHFNPVAVTFAFATCGRFRWKQVPSYVVAQVLGSTMASLTLRVVFGGGG GGARGEHLFFGTTPAGSMAQAAALEFVISFFLMFVSGVATDNRAIGELAGLAVGAT VAVNVLFAGPVTGASMNPASRLGPAMVAGRYGGVWVYAAPVSGTVCGAWAYNL LRFTDKPLRDIANTASFLRRSSRRS
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid

 Tel: 1-631-559-9269 1-516-512-3133

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repeated freeze-thaw cycles.

Storage Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name

NIP1-2

Synonyms

NIP1-2; Os01g0202800; Os01g0202900; LOC_Os01g10600; OsJ_000763; P0489A05.30; Aquaporin NIP1-2; NOD26-like intrinsic protein 1-2; OsNIP1;2

UniProt ID

[Q0JPT5](#)

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