

Recombinant Full Length Arabidopsis Thaliana Aquaporin Nip1-1(Nip1-1) Protein, His-Tagged

Cat. No. RFL12536AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Aquaporin NIP1-1(NIP1-1) Protein (Q8VZW1) (1-296aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-296)
Form	Lyophilized powder
AA Sequence	MADISGNGYGNAREEVVMVNLKDEVEHQQEMEDIHNPRLKKQDSLLSVSPFLQK LIAEFLGTYFLVFTGCASVVVNMQNDNVVTLPGIAIVWGLTIMVLIYSLGHISGAHINPA VTIAFASCGRFPLKQVPAYVISQVIGSTLAAATLRLFLGLDHDVCSGKHDFIGSSPV GSDLQAFTMEFIVTFYLMFIISGVATDNRAIGELAGLAIGSTVLLNVLIAAPVSSASMNP GRSLGPALVYGCKYGIWIYLVAPTLGAIAGAWVYNTVRYTDKPLREITKSGSFLKTVR IGST
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 mutiple use. Avoid

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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

NIP1-1

Synonyms

NIP1-1; NLM1; At4g19030; F13C5.200; Aquaporin NIP1-1; NOD26-like intrinsic protein 1-1; AtNIP1;1; Nodulin-26-like major intrinsic protein 1; NodLikeMip1; Protein NLM1

UniProt ID

[Q8VZW1](#)

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