

Recombinant Full Length Arabidopsis Thaliana Aquaporin Nip2-1(Nip2-1) Protein, His-Tagged

Cat. No. RFL7042AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Aquaporin NIP2-1(NIP2-1) Protein (Q8W037) (1-288aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-288)
Form	Lyophilized powder
AA Sequence	MDDISVSKSNHGNVVVLNIKASSLADTSLPSNKHESPPLLSVHFLQKLLAELVGTY YLIFAGCAAIAVNAQHNNHVTLVGIAVWVGIVIMVLVYCLGHLSAHFNPAVTLALASSQ RFPLNQVPAYITVQVIGSTLASATLRLFLDNLNDVCSKKHVDVFLGSSPSGSDLQAFV MEFIITGFLMLVCAVTTTKRTTEELEGLIIGATVTLNVIFAGEVSGASMNPARSIGPAL VWGCYKGIWIYLLAPTLGAVSGALIHKMLPSIQNAEPEFSKTGSSHKRVTDLPL
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 repeated freeze-thaw cycles.

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

NIP2-1

Synonyms

NIP2-1; NLM4; At2g34390; T31E10.27; Aquaporin NIP2-1; NOD26-like intrinsic protein 2-1; AtNIP2;1; Nodulin-26-like major intrinsic protein 4; NodLikeMip4; Protein NLM4

UniProt ID[Q8W037](#)

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