

# Recombinant Full Length Arabidopsis Thaliana Probable Aquaporin Nip4-2(Nip4-2) Protein, His-Tagged

Cat. No. RFL36219AF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Arabidopsis thaliana Probable aquaporin NIP4-2(NIP4-2) Protein (Q8W036) (1-283aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Arabidopsis thaliana
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-283)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MTSHGEEIEDEQISRIEKGNCCKDSQGGMETAICSSPSIVCLTQKLIAMIGTYFIIFSGC GVVVVNVLYGGTITFPGICVTWGLIVMVMIIYSTGHISGAHFNPVAVTFVFRFRFPWY QVPLYIGAQLTGSLLASLTLRLMFNVTPKAFFGTTPTDSSGQALVAEIIISFLLMFVISG VATDSRATGELAGIAVGMTIILNVFVAGPISGASMNPARSLGPAIVMGRYKGIWVYIV GPFVGFAGGFVYNFMRFTDKPLRELTKSASFRLRSVAQKDNASKSDG
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Storage</b>	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

**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**

NIP4-2

**Synonyms**

NIP4-2; NLM5; At5g37820; K22F20.60; Probable aquaporin NIP4-2; NOD26-like intrinsic protein 4-2; AtNIP4;2; Nodulin-26-like major intrinsic protein 5; NodLikeMip5; Protein NLM5

**UniProt ID**

[Q8W036](#)

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