

# Recombinant Full Length Arabidopsis Thaliana Aquaporin Tip1-2(Tip1-2) Protein, His-Tagged

**Cat. No.** RFL24192AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length Arabidopsis thaliana Aquaporin TIP1-2(TIP1-2) Protein (Q41963) (1-253aa), 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 (1-253)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | MPTRNIAIGGVQEEVYHPNALRAALAEFISTLIFVFAGSGSGIAFNKITDNGATTPSGL<br>VAAALAHAFGLFVAVSVGANISGGHVNPVTFGVLLGGNITLLRGILYWIAQLLGSLVA<br>ACFLLSFATGGPEIPAFGLSAGVGSLSNALVFEIVMTFGLVYTVYATAVDPKNGSLGTI<br>APIAIGFIVGANILAGGAFSGASMNPVAVFGPAVVSWTWTNHWVYWAGPLIGGGGLA<br>GIIYDFVVIDENAHEQLPTTDY |
| <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**

TIP1-2

**Synonyms**

TIP1-2; SITIP; TIP2; At3g26520; MFE16.17; Aquaporin TIP1-2; Gamma-tonoplast intrinsic protein 2; Gamma-TIP2; Salt stress-induced tonoplast intrinsic protein; Tonoplast intrinsic protein 1-2; AtTIP1;2

**UniProt ID**

[Q41963](#)

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