

## Recombinant Full Length Zea Mays Aquaporin Tip1-2(Tip1-2) Protein, His-Tagged

**Cat. No.** RFL26829ZF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Full Length Zea mays Aquaporin TIP1-2(TIP1-2) Protein (Q9ATM0) (1-254aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                         |
| <b>Species</b>          | Zea Mays                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-254)                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MPVSRIAVGAPGELSHPD TAKAAVAEFISTLIFVFAGSGSGMAFSKLT DGG AATPAG<br>LIAASLAHALALFVAVSVGANISGGHVNP AVTFGAFVGGNISLLKALVYWVAQLLGSV<br>VACLLLKIATGGAALGAFSL SAGVGAMNAV VLEMTFGLVYTVYATAVDPKKGDLG<br>VIAPIAIGFIVGANILAGGAFD GASMNP AVSFGPAVVTGVWENHWVYWVGPLAGAAI<br>AALVYDIIFIGQRPHQQLPTTAADY |
| <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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|-----------------------|---------------------------------------------|
| <b>Storage Buffer</b> | 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**

TIP1-2

**Synonyms**

TIP1-2; Aquaporin TIP1-2; Tonoplast intrinsic protein 1-2; ZmTIP1-2; ZmTIP1;2

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