

# Recombinant Full Length Zea Mays Aquaporin Pip2-1(Pip2-1) Protein, His-Tagged

**Cat. No.** RFL13989ZF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Zea mays Aquaporin PIP2-1(PIP2-1) Protein (Q84RL7) (1-290aa), 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 (1-290)                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MGKDDVIESGAGGGGEFAAKDYTDPPPAPLIDAAELGSWSLYRAVIAEFIATLLFLYITV<br>ATVIGYKHQTDASASGADAACGGVGVGLGIAWAFGGMIFVLVYCTAGISGGHINPAVT<br>FGLFLARKVSLVRALLYIVAQCLGAICGVGLVKAFQSAYFDRYGGGANSLSGYSRG<br>TGLGAEIIGTFVLVYTVFSATDPKRNARDSHVPVLAPLPIGFAVFMVHLATIPVTGTGI<br>NPARSLGAAVIYNKDKPWDDHWIFWVGPLVGAAIAAFYHQYILRAGAIKALGSFRSN<br>A |
| <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                                                                                                                                                                                                                                       |

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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**

PIP2-1

**Synonyms**

PIP2-1; Aquaporin PIP2-1; Plasma membrane intrinsic protein 2-1; ZmPIP2-1; ZmPIP2;1

**UniProt ID**

[Q84RL7](#)

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