

Recombinant Full Length *Oryza Sativa* Subsp. Japonica Aquaporin Pip2-5(Pip2-5) Protein, His-Tagged

Cat. No. RFL35701OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Aquaporin PIP2-5(PIP2-5) Protein (Q8GRI8) (1-283aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
Protein Length	Full Length (1-283)
Form	Lyophilized powder
AA Sequence	MGKEADV EAGGVRDYEDPPPAPLV DIDLGRWSLYRAVIAEFVATLLFLYTVTATVIGYKHQTDASASGDDAACGGVGV LGIAWAFGGMIFILVYCTAGISGGHINPAVT FGLFLARKVSLVRAILYIVAQCLGAVCGVALVKGFQSSFYDRYGGGANELAAGYSKGTGLAAEIIGTFVLVYTVFSATDPKRNARD SHVPVLAPLP IGFVFMVHLATIPVTGTGINPARSLGA AVVYNN SKAWS DQWIFWVGPF IGAAIAALYHQIVLRASARGYGSFRSNA
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 multiple 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**

PIP2-5

Synonyms

PIP2-5; Os07g0448400; LOC_Os07g26660; OJ1047_A06.108-1; OsJ_023143; P0475E07.134-1; Aquaporin PIP2-5; OsPIP2;5; Plasma membrane intrinsic protein 2-5

UniProt ID[Q8GRI8](#)

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