

Recombinant Full Length *Oryza Sativa* Subsp. Japonica Aquaporin Pip1-1(Pip1-1) Protein, His-Tagged

Cat. No. RFL36178OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Aquaporin PIP1-1(PIP1-1) Protein (Q6EU94) (1-289aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
ProteinLength	Full Length (1-289)
Form	Lyophilized powder
AA Sequence	MEGKEEDVRLGANRYSERQPIGTAAQGAGDDKDYKEPPAPLFEPEGELKSWSFYR AGIAEFVATFLFLYITILTMGVSKSSSKCATVGIQGIAWSFGGMIFALVYCTAGISGG HINPAVTFGLFLARKLSLTRAIFYIVMQCLGAICGAGVVKGFFQQGLYMGNGGGANVV ASGYTKGDGLGAEIVGTFILVYTVFSATDAKRNARDSHVPILAPLPIGFAVFLVHLATIP ITGTGINPARSLGAIIYNKDHAWNDHWIFWVGPFVGAALAAIYHQVIIRAIPFKSRS
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 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	PIP1-1
Synonyms	PIP1-1; PIP1A; RWC1; Os02g0666200; LOC_Os02g44630; OJ1486_E07.10; OsJ_007594; P0461B08.25; Aquaporin PIP1-1; OsPIP1;1; Plasma membrane intrinsic protein 1-1; Plasma membrane intrinsic protein 1a; PIP1a; Water channel protein RWC1; RWC-1
UniProt ID	Q6EU94