

Recombinant Full Length *Oryza Sativa* Subsp. Japonica Aquaporin Nip4-1(Nip4-1) Protein, His-Tagged

Cat. No. RFL8326OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Aquaporin NIP4-1(NIP4-1) Protein (Q9ASI1) (1-286aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
ProteinLength	Full Length (1-286)
Form	Lyophilized powder
AA Sequence	MTTDHAGKKVDVVVGNVDGEHVGVEQARHDLHEEAAAAAADHHATRGLAIGFLI REVMVEGLASFLVFWSCVAALMQEMYGTLTFPMVCLVVAMTVAFVLSWLGP AHF NPAVTITFAAYRRFPVWPKLPLYVAAQLAGSLLACLSVNAV MRPRHDHFYGTAPVVV HGTRL PFLMEFLASAVLMIVIATVATDGTAGKTVGGIAIGAAVGGLGLVIGPVSGGSM NPARTLGPAIVLGRYDGVWIYVVAPVAGMLVGALCNRAVRLSHRIVAFLCGTSVGIA GSP
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

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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

NIP4-1

Synonyms

NIP4-1; Os01g0112400; LOC_Os01g02190; OsJ_00101; OSJNBb0032H19.9; P0439B06.35; Aquaporin NIP4-1; NOD26-like intrinsic protein 4-1; OsNIP4;1

UniProt ID

[Q9ASI1](#)

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