

Recombinant Full Length *Oryza Sativa* Subsp. Japonica Aquaporin Nip2-1(Nip2-1) Protein, His-Tagged

Cat. No. RFL2985OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Aquaporin NIP2-1(NIP2-1) Protein (Q6Z2T3) (1-298aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
Protein Length	Full Length (1-298)
Form	Lyophilized powder
AA Sequence	MASNNRTNSRANYSNEIHDLSTVQNGTMPTMYGKAIADFFPPHLLKKVVSEVV ATFLLVFMTCGAAGISGSDLSRISQLGQSIAGGLIVTVMYAVGHISGAHMNPAVTLAF AVFRHFPWIQVPFYWAAQFTGAICASFVLKAVIHPVDVIGTTTTVPVGPWHSLVVEVIV TFNMMFVTLAVATDTRAVGELAGLAVGSAVCITSIFAGAISGGSMNPARTLGPALAS NKFDGLWIYFLGPVMGTLGAWTYTFIRFEDTPKEGSSQKLSSFKLRRRLRSQQSIAA DDVDEMENIQV
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

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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

NIP2-1

Synonyms

NIP2-1; LSI1; SIIT1; Os02g0745100; LOC_Os02g51110; OJ1118_G04.16; OJ1734_E02.43; OsJ_008085; Aquaporin NIP2-1; Low silicon protein 1; NOD26-like intrinsic protein 2-1; OsNIP2;1; Silicon influx transporter LSI1

UniProt ID

[Q6Z2T3](#)

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