

Recombinant Full Length Rhodospirillum Rubrum Nad(P) Transhydrogenase Subunit Beta(Pntb) Protein, His-Tagged

Cat. No. RFL2150RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rhodospirillum rubrum NAD(P) transhydrogenase subunit beta(pntB) Protein (Q2RSB4) (1-464aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rhodospirillum rubrum
Source	E.coli
ProteinLength	Full Length (1-464)
Form	Lyophilized powder
AA Sequence	MTHSLTMAAYIVAGVLFILALRGLSNPESARNGNRMGMVGMAIAILTTLLSPSVQAYA WI VLAIAIGGAIGTVIAKKVLTALPQLVAAFHSLVGMAAVLVATGALLNPEAYGIGSA GAI HAGSLVEMSLGLAVGAITFSGSVIAFGKLQGLIAGKPVTFPMQHPLNAVLGILLV VLLVV FAATESHTAYFALMILAFALGFLLIPIGGADMPVVISMLNSYSGWAAAGIGFT LGNPLL IIAGALVGSSGAILSIMCKGMNRSIFNVILGGFGSEGGVAAAGGAAGDRSV KAGSAEDA AFIMKNASKVIIIPGYGMAVAQAQHALREMADVLLKEGVEVSYAHPVA GRMPGHMNVLL AEANVPYDEVFELEEINSSFQTADVAFVIGANDVTNPAAKTDPS PIYGMPILDVEKAGT VLFIKRSMASGYAGVENELFFRNNTMMLFGDAKKMTEQIVQA MN
Purity	Greater than 90% as determined by SDS-PAGE.

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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.
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	pntB
Synonyms	pntB; nntB; Rru_A2181; NAD(P) transhydrogenase subunit beta; Nicotinamide nucleotide transhydrogenase subunit beta; Proton-translocating transhydrogenase NADP(H)-binding component; Pyridine nucleotide transhydrogenase subunit beta; dIII
UniProt ID	Q2RSB4

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