

# Recombinant Full Length Psilotum Nudum Nad(P)H-Quinone Oxidoreductase Subunit 1, Chloroplastic(Ndha) Protein, His-Tagged

**Cat. No.** RFL12508PF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Psilotum nudum NAD(P)H-quinone oxidoreductase subunit 1, chloroplastic(ndhA) Protein (Q8WHX4) (1-371aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                       |
| <b>Species</b>          | Psilotum nudum (Whisk fern) (Lycopodium nudum)                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Full Length (1-371)                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MIIFMKDFEEQVMNLVNLLGISKDLFFILWTVLSILTLLLGVTMGVLVIVWLERKISAGM<br>QQRMGPEYTGPLGILQTLMDGIKLLLKEDIVPAKGNTWLFNLGPAIVVIPVFLSYLVIP<br>F GQKMILSDLGIGVFFWIAVSSIVPLGLLMTGYGSNNKYSFLGGLRAAAQSISYEIPL<br>ALC VLSISLLSNSLSTVDIVEAQSKYGILGWNLWRQPVGFIVFIVSSLAECERLPFDLP<br>EAEE ELVAGYQTEYSSIKFGFFFIGSYLNLLVSSLFVTVLYLGGWDLSPFLPGLNHIT<br>MTWYS SDGITEVPSIFLSFFITLIKAFLFLVSIARWTLPRVRMDQLLDLGWKFLPLI<br>ALGNLL LTASFQLLLLG |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C                                                                                                                                                                                                                                                                                                                               |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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**

ndhA

**Synonyms**

ndhA; NAD(PH)-quinone oxidoreductase subunit 1, chloroplastic; NAD(PH) dehydrogenase subunit 1; NDH subunit 1; NADH-plastoquinone oxidoreductase subunit 1

**UniProt ID**

[Q8WHX4](#)

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