

Recombinant Full Length *Physcomitrella Patens* Subsp. *Patens* Nad(P)H-Quinone Oxidoreductase Subunit 1, Chloroplastic(Ndha) Protein, His-Tagged

Cat. No. RFL29564PF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Physcomitrella patens</i> subsp. <i>patens</i> NAD(P)H-quinone oxidoreductase subunit 1, chloroplastic(ndhA) Protein (Q6YXP8) (1-368aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Physcomitrella patens</i> subsp. <i>patens</i> (Moss)
Source	<i>E. coli</i>
ProteinLength	Full Length (1-368)
Form	Lyophilized powder
AA Sequence	MGFNTNLKEQVITFFSALSLSKDDFFNFIWIAFSILILLTITIGVLVLVWLERKISAGIQ Q RIGPEYAGPLGIIQALADGFKLLLKEDIIPSKGDNWLFNIGPAIVVIPVFLSYLVIPFG HN IILADLNIGVFFWIAISSIVPLGLLMAGYGSNNKYSFLGGLRAAAQSI SYEIPALCV LSI SLQLSNSLSTVDIVEAQAKYGFWGWNVWRQPIGFLAFFIASLAECERLPFDLPEAEE ELVAGYQTEYSGIKFGLFYVASYLNLLASSLFVTILYLGGWHFSIPFLLNSNYLEWVFS H GSNQVINIIIGIIIVLIKSYLFSFIAMTRWTLPRVRMDQLLDLGWKFLLPIALGNLLLT A SFQAFL
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

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	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	Q6YXP8