

Recombinant Full Length *Odontella Sinensis* Photosystem II Cp47 Chlorophyll Apoprotein(Psbb) Protein, His-Tagged

Cat. No. RFL14365OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Odontella sinensis</i> Photosystem II CP47 chlorophyll apoprotein(psbB) Protein (P49471) (1-509aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Odontella sinensis</i> (Marine centric diatom) (<i>Biddulphia sinensis</i>)
Source	<i>E. coli</i>
ProteinLength	Full Length (1-509)
Form	Lyophilized powder
AA Sequence	MALPWYRVHTVVLNDPGRLLIAVHLMHTALVAGWAGSMALYELAVFDPSPVLNPM WRQGM FVMPFMTRLGITDSWGGWSITGESVSNPGIWSFEGVALSHIILSGMCFLAA IWHWVYWDL ELFRDPRTGEPALDLPKIFGIHLFLSGLLCFGFGAFHVTGLFGPGIWW SDAYGVTGKVQP VAPAWGADGFNPFNPGGIAAHHIAAGIFGIFAGIFHLTVRPPQRL YRALRMGNIETVLSS SIAAVFFAAFTSGTMWYGAAATPIELFGPTRYQWDSGYFQ QEIERQVETSVSEGLSESQ AWSRIPDKLAFYDYIGNNPAKGGFLFRAGPMNKGDGIA EAWLGHPIFRDKDGRELTVRRMP AFFETFPVILVDKDGIIRADIPFRAESKYSIEQV GVTVDIFYGGKLNQTFKDAPTVKKF ARKAQLGEVFEFDRTSLES DGVFRSSPRGW YTFGHANFALLFFFHGLWHGGRTIFRDVFT GIGAEVTEQVEFGAFQKLGDKSTKKQ GAV
Purity	Greater than 90% as determined by SDS-PAGE.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Applications	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 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	psbB
Synonyms	psbB; Photosystem II CP47 reaction center protein; PSII 47 kDa protein; Protein CP-47
UniProt ID	P49471

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