



Recombinant *Synechococcus* sp. Deoxyribodipyrimidine photo-lyase (phr)

Product Code	CSB-BP361494FPZ
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P05327
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus</i> sp. (strain ATCC 27144 / PCC 6301 / SAUG 1402/1) (<i>Anacystis nidulans</i>)
Purity	>85% (SDS-PAGE)
Sequence	AAPILFWHR RDLRLSDNIG LAAARAQSAQ LIGLFCLDPQ ILQSADMAPA RVAYLQGCLQ ELQQRYYQQAG SRLLLLQGGP QHLIPQLAQQ LQAEAVYWNQ DIEPYGRDRD GQVAAALKTA GIRAVQLWDQ LLHSPDQILS GSGNPYSVYG PFWKNWQAQP KPTPVATPTE LVDLSPEQLT AIAPLLLSEL PTLKQLGFDW DGGFPVEPGE TAAIARLQEF CDRAIADYDP QRNFPAEAGT SGLSPALKFG AIGIRQAWRA ASAAHALSRS DEARNSIRVW QQELAWREFY QHALYHFPSL ADGPYRSLWQ QFPWENREAL FTAWTQAQTG YPIVDAAMRQ LTETGWMHNR CWMIVASFLT KDLIIDWRRG EQFFMQHLVD GDLAANNGGW QWSASSGMDP KPLRIFNPAS QAKKFDATAT YIKRWLPELR HVHPKDLISG EITPIGRRGY PAPIVNHNL R QKQFKALYNQ LKAAIAEPEA EPDS
Source	Baculovirus
Target Names	phr
Protein Names	Recommended name: Deoxyribodipyrimidine photo-lyase EC= 4.1.99.3 Alternative name(s): DNA photolyase Photoreactivating enzyme
Expression Region	2-484
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
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.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.