



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

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP361494FPZ   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | P05327  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | <i>Synechococcus</i> sp. (strain ATCC 27144 / PCC 6301 / SAUG 1402/1) ( <i>Anacystis nidulans</i> )   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | AAPILFWHR RDLRLSDNIG LAAARAQSAQ LIGLFCLDPQ ILQSADMAPA<br>RVAYLQGCLQ ELQQRYYQQAG SRLLLLQGGP QHLIPQLAQQ LQAEAVYWNQ<br>DIEPYGRDRD GQVAAALKTA GIRAVQLWDQ LLHSPDQILS GSGNPYSVYG<br>PFWKNWQAQP KPTPVATPTE LVDLSPEQLT AIAPLLLSEL PTLKQLGFDW<br>DGGFPVEPGE TAAIARLQEF CDRAIADYDP QRNFPAEAGT SGLSPALKFG<br>AIGIRQAWRA ASAAHALSRS DEARNSIRVW QQELAWREFY QHALYHFPSL<br>ADGPYRSLWQ QFPWENREAL FTAWTQAQTG YPIVDAAMRQ<br>LTETGWMHNR CWMIVASFLT KDLIIDWRRG EQFFMQHLVD GDLAANNGGW<br>QWSASSGMDP KPLRIFNPAS QAKKFDATAT YIKRWLPELR HVHPKDLISG<br>EITPIGRRGY PAPIVNHNLK QKQFKALYNQ LKAAIAEPEA EPDS |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | phr   |
| <b>Protein Names</b>     | Recommended name: Deoxyribodipyrimidine photo-lyase EC= 4.1.99.3<br>Alternative name(s): DNA photolyase Photoreactivating enzyme  |
| <b>Expression Region</b> | 2-484   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Reconstitution</b>    | 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.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life   |



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