



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

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|--------------------------|---|
| Product Code | CSB-MP361494FPZ |
| 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 PAPIVNHNLK QKQFKALYNQ LKAAIAEPEA EPDS |
| Source | Mammalian cell |
| 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.