

Deoxyribodipyrimidine photo-lyase (phr) Recombinant Protein | phr recombinant protein

Recombinant Synechococcus sp. Deoxyribodipyrimidine photo-lyase (phr)

CATALOG # AAA115168	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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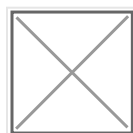
PRODUCT SYNONYMS

Deoxyribodipyrimidine photo-lyase (phr); Recombinant Synechococcus sp. Deoxyribodipyrimidine photo-lyase (phr); Deoxyribodipyrimidine photo-lyase; EC=4.1.99.3; DNA photolyase; Photoreactivating enzyme; phr recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-484aa; Full Length of Mature Protein
Sequence	AAPILFWHRR DLRLSDNIGL AAARAQSAQL IGLFCLDPQI LQSADMAPAR VAYLQGCLQE LQQRYYQAGS RLLLLQGDPQ HLIPQLAQQL QAEAVYWNQD IEPYGRDRDG QVAAALKTAG IRAVQLWDQL LHSPDQILSG SGNPYSVYGP FWKNWQAQPK PTPVATPTL VDLSPQLTA IAPLLSELP TLKQLGFDWD GGFPVEPGET AAIARLQEFC DRAIADYDPQ RNFPAEAGTS GLSPALKFGA IGIRQAWRAA SAAHALSRSD EARNSIRVWQ QELAWREFYQ HALYHFPSLA DGPYRSLWQQ FPWENREALF TAWTQAQTY PIVDAAMRQL TETGWMHNRC WMIVASFLTK DLIIDWRRGE QFFMQHLVDG DLAANNGGWQ WSASSGMDPK PLRIFNPASQ AKKFDATATY IKRWLPRLRH VHPKDLISGE ITPIGRRGYP APIVNHNLRLQ KQFKALYNQL KAAIAEPEAE PDS
Species	Synechococcus sp. (strain 27144 / PCC 6301 / SAUG 1402/1) (Anacystis nidulans)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for phr recombinant protein	Involved in repair of UV radiation-induced DNA damage. Catalyzes the light-dependent monomerization (300-600 nm) of cyclobutyl pyrimidine dimers (in cis-syn configuration), which are formed between adjacent bases on the same DNA strand upon exposure to ultraviolet radiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	499562921
NCBI GeneID	3199486
NCBI Accession #	WP_011243704.1
NCBI GenBank Nucleotide #	WP_011243704.1
UniProt Accession #	P05327; Q5N288
Molecular Weight	74.3 kDa
NCBI Official Full Name	deoxyribodipyrimidine photo-lyase
NCBI Official Symbol	phrA
NCBI Protein Information	DNA photolyase
UniProt Protein Name	Deoxyribodipyrimidine photo-lyase
UniProt Gene Name	phr
UniProt Synonym Gene Names	phrA
UniProt Entry Name	PHR_SYNP6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/phr-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115168>