

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

Recombinant Escherichia coli Deoxyribodipyrimidine photo-lyase (phrB)

CATALOG # AAA115400	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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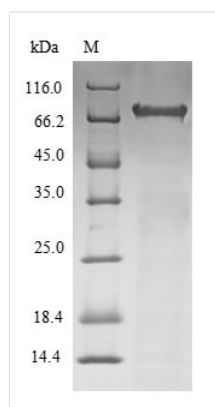
PRODUCT SYNONYMS

Deoxyribodipyrimidine photo-lyase (phrB); Recombinant Escherichia coli Deoxyribodipyrimidine photo-lyase (phrB); Deoxyribodipyrimidine photo-lyase; EC=4.1.99.3; DNA photolyase; Photoreactivating enzyme; phrB 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	1-472. Full Length
Sequence	MTTHLVWFRQ DLRLHDNLAL AAACRNSSAR VLALYIATPR QWATHNMSPR QAELINAQLN GLQIALAEKG IPLLFREVDV FVASVEIVKQ VCAENSVTHL FYNQYEVNE RARDVEVERA LRNVVCEGFD DSVILPPGAV MTGNHEMYKV FTPFKNAWLK RLREGMPECV AAPKVRSSGS IEPSPSITLN YPRQSFDTAH FPVEEKAAIA QLRQFCQNGA GEYEQQRDFP AVEGTSRLSA SLATGGLSPR QCLHRLAEQ PQALDGGAGS VWLNELIWRE FYRHLITYHP SLCKHRPFIA WTDREVQWSN PAHLQAWQEG KTGYPIDAA MRQLNSTGWM HNLRLMITAS FLVKDLLIDW REGERYFMSQ LIDGDLAANN GGWQWAASTG TDAAPYFRIF NPTTQGEKFD HEGEFIRQWL PELRDVPGKV VHEPWKWAQK AGVTLDYPQP IVEHKEARVQ TLAAYEAARK GK
Species	Escherichia coli (strain K12)
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 phrB 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.
Product Categories/Family for phrB recombinant protein	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	16128683
NCBI GeneID	12930926
NCBI Accession #	NP_415236.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P00914; AP_001346
Molecular Weight	73.7 kDa
NCBI Official Full Name	deoxyribodipyrimidine photolyase, FAD-binding
NCBI Official Symbol	phr
NCBI Protein Information	deoxyribodipyrimidine photolyase, FAD-binding
UniProt Protein Name	Deoxyribodipyrimidine photo-lyase
UniProt Gene Name	phrB
UniProt Synonym Gene Names	phr
UniProt Entry Name	PHR_ECOLI

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/phrb-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115400>