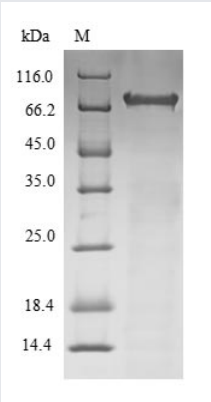
Deoxyribodipyrimidine Photo-Lyase (phrB) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deoxyribodipyrimidine photo-lyase (phrB), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Deoxyribodipyrimidine photo-lyase (phrB)
Product Gene Name	phrB recombinant protein
Product Synonym Gene Name	phrB; phr; b0708; JW0698
Product Synonym Names	Deoxyribodipyrimidine photo-lyase; EC=4.1.99.3; DNA photolyase; Photoreactivating enzyme
Sequence	MTTHLVWFRQ DLRLHDNLAL AAACRNSSAR VLALYIATPR QWATHNMSPR QAELINAQLN GLQIALAEKG IPLLFREVDD FVASVEIVKQ VCAENSVTHL FYNYQYEVNE RARDVEVERA LRNVVCEGFD DSVILPPGAV MTGNHEMYKV FTPFKNAWLK RLREGMPECV AAPKVRSSGS IEPSPSITLN YPRQSFDTAH FPVEEKAAIA QLRQFCQNGA GEYEQQRDFP AVEGTSRLSA SLATGGLSPR QCLHRLLAEQ PQALDGGAGS VWLNELIWRE FYRHLITYHP SLCKHRPFIA WTDRVQWQSN PAHLQAWQEG KTGYPIVDAA MRQLNSTGWM HNRLRMITAS FLVKDLLIDW REGERYFMSQ LIDGDLAANN GGWQWAASTG TDAAPYFRIF NPTTQGEKFD HEGEFIRQWL PELRDVPGKV VHEPWKWAQK AGVTLDYPQP IVEHKEARVQ TLAAYEAARK GK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
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.
Molecular Weight	73.7 kDa
Sequence Positions	1-472. Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P00914
Species	Escherichia coli (strain K12)
Product Categories/Family for phrB recombinant protein	Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
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.
Other Notes	Small volumes of phrB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for phrB purchase	MBS1158565 is a recombinant protein targeting phrB. Also known as Recombinant Escherichia coli Deoxyribodipyrimidine photo-lyase (phrB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-PAGE of phrB recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for phrB. It may not necessarily be applicable to this product.

NCBI GI #	16128683
NCBI GeneID	12930926
NCBI Accession #	NP_415236.1
UniProt Primary Accession #	P00914
UniProt Related Accession #	AP_001346
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	deoxyribodipyrimidine photolyase, FAD-binding
NCBI Official Symbol	phr
UniProt Protein Name	Deoxyribodipyrimidine photo-lyase
UniProt Synonym Protein Names	DNA photolyase; Photoreactivating enzyme
Protein Family	(6-4) photolyase
UniProt Gene Name	phrB
UniProt Synonym Gene Names	phr
UniProt Entry Name	PHR_ECOLI
NCBI Protein Information	deoxyribodipyrimidine photolyase, FAD-binding
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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