



Recombinant Escherichia coli Deoxyribodipyrimidine photo-lyase (phrB)

Product Code	CSB-EP360595ENV
Relevance	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.
Abbreviation	Recombinant E.coli phrB protein
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.	P00914
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MTTHLVWFRQDLRLHDNLALAAACRNSSARVLALYIATPRQWATHNMSPRQA ELINAQLNGLQIALAEKGIPLLFREVDDFVASVEIVKQVCAENSVTHLFYNYQYE VNERARDVEVERALRNVVCEGFDDSVILPPGAVMTGNHEMYKVFTPFKNAWL KRLREGMPECVAAPKVRSSGSIEPSITLNYPRQSFDTAHFPVEEKAAIAQLR QFCQNGAGEYEQRDFPAVEGTSRLSASLATGGLSPRQCLHRLLAEQPQALD GGAGSVWLNELIWREFYRHLITYHPSLCKHRPFIWTRVQWQSNPAHLQAW QEGKTGYPIVDAAMRQLNSTGWMHNRLRMITASFLVKDLLIDWREGERYFMS QLIDGDLAANNGGWQWAASGTDAAPYFRIFNPTTQGEKFDHEGEFIRQWLP ELRDVPGKVVHEPWKWAQKAGVTLDYPQPIVEHKEARVQTLAAYEAARKGK
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	phrB
Protein Names	DNA photolyase Photoreactivating enzyme
Expression Region	1-472aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	73.7kDa
Protein Length	Full Length
Image	

