

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

phrB, 1-472aa, E.coli, His tag, E.coli

产品货号: TP03401

第三版

别名: Deoxyribodipyrimidine photolyase, ECK0697, JW0698, phrB

描述: Deoxyribodipyrimidine photolyase, also known as phrB, is involved in repair of UV radiation-induced DNA damage. This protein 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. Recombinant E.coli phrB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT

分子量: 56.1 kDa (495aa)

序列:

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MGSSHHHHHHSSGLVPRGSHMGSMTHLVWFRQDLRLHDNLALAAACRNSSARVLALYIATPRQWATHNMSPRQAEL  
INAQLNGLQIALAEKGIPLLFREVDDFVASVEIVKQVCAENSVTHLFYNYQYEVNERARDVEVERALRNVVCEGFDDSVIL  
PPGAVMTGNHEMYKVFTPFKNAWLKRLREGMPECVAAPKVRSSGSIEPSITLNYPRQSFDTAHFPVEEKAAIAQLRQFC  
QNGAGEYEQRDFPAVEGTSRLSASLATGGLSPRQCLHRLLAEQPQALDGGAGSVWLNELIWREFYRHLITYHPSLCKHR  
PFIAWTDREVQWQSNPAHLQAWQEGKTYPIVDAAMRQLNSTGWMHNRLRMITASFLVKDLLIDWREGERYFMSQLID  
GDLAANNGGWQWAASGTDAAPYFRIFNPTTQGEKFDHEGEFIRQWLPELRDVPKVVHEPWKWAQKAGVTLDYPQ  
PIVEHKEARVQTLAAYEAARKGK
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纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.