

Product datasheet for **AR50868PU-S**

phrB (1-472, His-tag) Escherichia coli Protein

Product data:

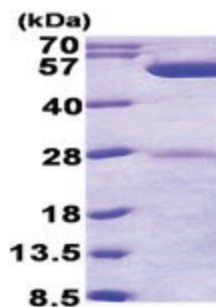
Product Type:	Recombinant Proteins
Description:	phrB (1-472, His-tag) recombinant protein, 20 µg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMTTHLW FRQDLRLHDN LALAAACRNS SARVLALYIA TPRQWATHNM SPRQAEлина QLNGLQIALA EKGIPLLFRE VDDFVASVEI VKQVCAENSV THLFYNYQYE VNERARDVEV ERALRNVCCE GFDDSVILPP GAVMTGNHEM YKVFTPFKNA WLKRLREGMP ECVAAPKVRSGSIEPSPSI TLNYPRQSFD TAHFPVEEKA AIAQLRQFCQ NGAGEYEQQR DFPAVEGTSR LSASLATGGL SPRQCLHRL AEQPQALDGG AGSVWLNELI WREFYRHLIT YHPSLCKHRP FIAWTDRVQW QSNPAHLQAW QEGKTYPIV DAAMRQLNST GWMHNRLRMI TASFLVKDLL IDWREGERYF MSQLIDGDLA ANNGGWQWAA STGTDAAPYF RIFNPTTQGE KFDHEGEFIR QWLPELRDVP GKVVHEPWKW AQKAGVTLDY PQPIVEHKEA RVQTLAAYEA ARKGK
Tag:	His-tag
Predicted MW:	56.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant E.coli phrB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Summary:

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.

Product images:

15% SDS-PAGE (3ug)