

phrB cDNA

Catalog Number: ATGD0440

PRODUCT INFORMATION

Catalog number

ATGD0440

Product type

cDNA

Species

E.coli

NCBI Accession No.

NP_415235.1

Alternative Names

ECK0696, JW0697, tkp

mRNA Refseq

NC_000913.3

OMIM**Chromosome location****PRODUCT SPECIFICATION**

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1419bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

phrB, also known as photolyase, has been mapped at 16. 2 min. This gene was earlier described as phrB, another locus phrA having been proposed in association with photoreactivation.

DATA

Sequence nucleotides

ATGACTACCCATCTGGTCTGGTTTCGCCAGGATTTACGTCTGCACGATAATCTCGCACTGGCTGCCGCCTGCCGCAATTCGT
CTGCACGCGTGCTGGCGTTGTATATCGCTACACCACGCCAGTGGGCGACGCATAACATGTCGCCGCGTCAGGCTGAACTTA
TCAATGCTCAACTGAATGGGCTACAAATAGCGCTTGC GGAAAAAGGTATTCCTTTATTGTTCCGTGAAGTGGATGACTTTGT
CGCCAGTGTGAAATAGTTAAACAGGTGTGCGCGGAAAAACAGCGTTACCCACCTGTTTTATAACTATCAGTATGAAGTGAAT
GAGCGGGCGCGGGATGTGGAAGTTGAAAGAGCGCTGCGTAACGTGGTGTGTGAAGGATTTGATGACAGCGTGATCCTGCC
GCCTGGCGCGGTGATGACCGTAATCACGAGATGTACAAAGTCTTTACGCCTTTTAAGAATGCCTGGCTGAAACGGCTGCG
GGAAGGGATGCCGGAGTGCGTGCCTGCGCCAAAAGTTCGTAGTAGCGGATCGATAGAGCCCTCGCCATCCATTACGCTGA
ATTATCCTCGTCAGTCTTTGATACTGCGCATTTTCCGGTGAAGAAAAAGCGGCGATTGCGCAATTACGCCAGTTTTGCCA
GAACGGTGCCGGAGAATATGAGCAACAACGAGATTTTCCGGCAGTGGAAGGCACCAGCCGTTTGTGCGCCAGCCTGGCAA
CGGGCGGGTTATCGCTCGCCAGTGCTTGCATCGCTTGTGGCTGAACAGCCGCAGGCGCTGGACGGTGGGGCCGGTAGT
GTCTGGCTTAATGAGCTGATCTGGCGCGAGTTTTACCGTCACCTGATAACGTATCACCCCTCGTTGTGTAAACATCGTCCATT
TATTGCCTGGACGGATCGTGTACAGTGGCAGAGCAATCCCGCACATTTACAGGCCTGGCAGGAAGGCAAAACGGGATACC
CGATTGTTGATGCCGCTATGCGTCAGCTTAACAGCACTGGCTGGATGCATAACAGGCTACGGATGATTACAGCCAGTTTTCT
GGTGAAAGATTTATTGATCGACTGGCGCGAAGGCGAGCGATATTTATGTCGCGAGCTGATTGATGGTGATTTGGCAGCCAA
TAACGGTGGCTGGCAGTGGGCCGCTTCAACCGGAACCGATGCAGCGCCGTATTTTCGTATTTTCAACCCGACAACCCAGGG
CGAGAAATTTGATCATGAGGGCGAGTTTATCCGCCAGTGGCTACCGGAACTGCGCGATGTGCCAGGGAAAGTGGTGCATG
AGCCGTGGAAGTGGGCGCAGAAAGCAGGTGTGACGCTGGATTATCCGCAACCGATAGTCGAGCACAAAGAAGCGAGAGTA
CAAACGTTGGCAGCGTATGAGGCGGCGCGGAAGGGGAAATAA

Transaction Sequence

MTTHLVWFRQ DLRLHDNLAL AAACRNSSAR VLALYIATPR QWATHNMSPR QAELINAQLNGLQIALAEKG IPLLREVDD
FVASVEIVKQ VCAENSVTHL FYNQYEVNE RARDVEVERALRNVVCEGFD DSVILPPGAV MTGNHEMYKV FTPFKNAWLK
RLREGMPECV AAPKVRSSGSIEPSITLN YPRQSFDTAH FPVEEKAAIA QLRQFCQNGA GEYEQQRDFP
AVEGTSRLSASLATGGLSPR QCLHRLLAEQ PQALDGGAGS VWLNELIWRE FYRHLITYHP SLCKHRPFIAWTDRVQWQSN
PAHLQAWQEG KTGYPVDAA MRQLNSTGWM HNRLRMITAS FLVKDLLIDWREGERYFMSQ LIDGDLAANN
GGWQWAASTG TDAAPYFRIF NPTTQGEKFD HEGEFIRQWLPELRDVPKGV VHEPWKWAQK AGVTLDYPQP IVEHKEARVQ
TLAAYEAARK GK