

Recombinant E.coli ATP-dependent DNA helicase rep

Catalog No: #AP72079



Package Size: #AP72079-1 20ug #AP72079-2 100ug #AP72079-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant E.coli ATP-dependent DNA helicase rep
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-673aaSequence Info:Full Length
Accession No.	P09980
Uniprot	P09980
GeneID	948292;
Calculated MW	104 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MRLNPGQQQAVEFVTGPCLVLGAGSGKTRVITNKIAHLIRGCGYQARHIAAVFTFNKAAREMKERVGQTLGR KEARGLMISTFHTLGLDIKREYAALGMKANFSLFDDTDQLALLKELTEGLIEDDKVLLQQLISTISNWKNDLKT SQAAASAIGERDRIFAHCYGLYDAHLKACNVLDFDDLILLPTLLLQRNEEVKRKRWQNKIRYLLVDEYQDNTSQ YELVKLLVGSRRARFTVVGDDDDQSIYSWRGARPQNLVLLSQDFPALKVIKLEQNYRSSGRILKAANILIANNPHV EKRLFSELGYGAELKVL SANNEEHEAERTV GELIAHHFVNKTQYKDYAILYRGNHQSRVFEKFLMQNRIPYKIS GGTSFFSRPEIKDLLAYLRVLTNPDDSAFLRIVNTPKREIGPATLKKLGEWAMTRNKSMFTASFDMGLSQTL GRGYEALTRFTHWLAEIQRLAEREPIAAVRDLIHGMDYESWLYETSPSPKAAEMRMKNVNLFSWMTMELG SELDEPMTLTQVVTRFTLRDMMERGESEEEELDQVQLMTLHASKGLEFPYVYVMGMEEGFLPHQSSIDEDNID EERRLAYVGITRAQKELFTLCKERRQYGELVRPEPSRFLLELPQDDLIWEQERKVVSAEERMQKQGSHLANL KAMMAAKRGK
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Rep helicase is a single-stranded DNA-dependent ATPase involved in DNA replication; it can initiate unwinding at a nick in the DNA. It binds to the single-stranded DNA and acts in a progressive fashion along the DNA in the 3' to 5' direction.

References

Highly accurate genome sequences of Escherichia coli K-12 strains MG1655 and W3110.Hayashi K., Morooka N., Yamamoto Y., Fujita K., Isono K., Choi S., Ohtsubo E., Baba T., Wanner B.L., Mori H., Horiuchi T.Mol. Syst. Biol. 2:E1-E5(2006)Research Topic:Others

Note: This product is for in vitro research use only