

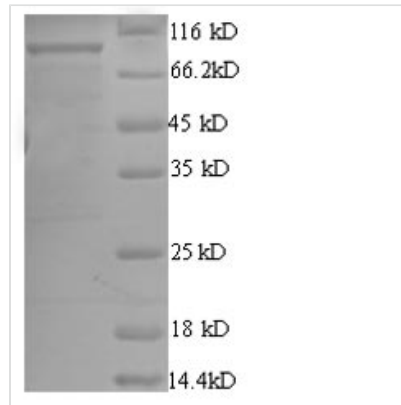


# Recombinant Escherichia coli ATP-dependent DNA helicase rep (rep)

<b>Product Code</b>	CSB-RP095644Ba
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant E.coli rep protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	P09980
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MRLNPGQQQAVEFVTGPCLVLAGAGSGKTRVITNKIAHLIRGCGYQARHIAAV TFTNKAAREMKERVGQTLGRKEARGLMISTFHTLGLDIIKREYAALGMKANFSL FDDTDQLALLKELTEGLIEDDKVLLQQLISTISNWKNDLKTSPQAAASAIGERDR IFAHCYGLYDAHLKACNVLDFDDLILLPTLLLQRNEEVRKRWQNKIRYLLVDEY QDTNTSQYELVKLLVGSRARFTVVGDDDDQSIYSWRGARPQNLVLLSQDFPAL KVIKLEQNYRSSGRILKAANILIANPHVFEEKRLFSELGYGAELKVL SANNEEHE AERVTGELIAHHFVNKTQYKDYAILYRGNHQSRVFEKFLMQNRIPYKISGGTSF FSRPEIKDLLAYLRVLTNPDDDSAFLRIVNTPKREIGPATLKKLGEWAMTRNKS MFTASFDMGLSQTLSGRGYEALTRFTHWLAEIQRLAEREPIAAVRDLIHGMDY ESWLYETSPSPKAAEMRMKNVNLFSWMTEMLEGSELDEPMTLTQVVTRFTL RDMMERGESEEEELDQVQLMTLHASKGLEFPYVYVMGMEEGFLPHQSSIDED NIDEERRLAYVGITRAQKELTFTLCKERRQYGELVRPEPSRFLLELPQDDLIWE QERKVVSAEERMQKGGQSHLANLKAMMAAKRGK
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	rep
<b>Expression Region</b>	1-673aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	104.0kDa
<b>Protein Length</b>	Full Length



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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