

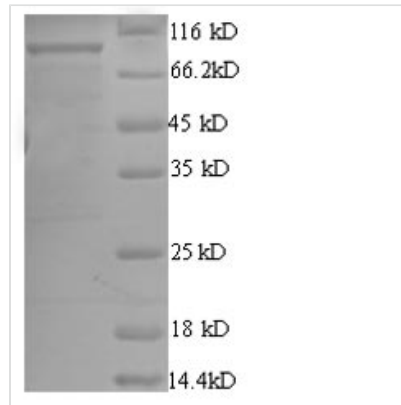


Recombinant Escherichia coli ATP-dependent DNA helicase rep (rep)

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

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.