

ATP-dependent DNA helicase recQ Recombinant Protein | recQ recombinant protein

Recombinant E Coli ATP-dependent DNA helicase recQ

CATALOG # AAA116145	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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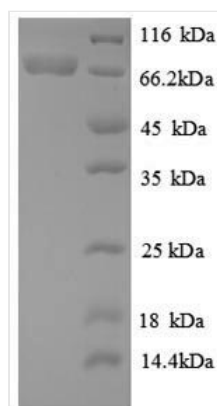
PRODUCT SYNONYMS

ATP-dependent DNA helicase recQ; Recombinant E Coli ATP-dependent DNA helicase recQ; recQ recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	2-606aa; Partial
Sequence	AQAEVLNLES GAKQVLQETF GYQQFRPGQE EIIDTVLSGR DCLVVMPTGG GKSLCYQIPA LLNGLTVVV SPLISLMKDQ VDQLQANGVA AACLNSTQTR EQQLEVMTGC RTGQIRLLYI APERLMLDNF LEHLAHWNPV LLAVDEAHC I SQWGHDFRPE YAALGQLRQR FPTLPFMALT ATADDTTTRQD IVRLGLNDP LIQISSFDRP NIRYMLMEKF KPLDQLMRYV QEQRGKSGII YCNSRAKVED TAARLQSKGI SAAAYHAGLE NNVRADVQEK FQRDDLQIVV ATVAFGMGIN KPNVRFVVFH DIPRNIESYY QETGRAGRDG LPAEAMLFYD PADMAWLRRRC LEEKPGQLQ DIERHKLNAM GAFAEAQTCR RLVLNLYFGE GRQEPGNCND ICLDPPKQYD GSTDAQIALS TIGRVNQRF G MGYVVEVIRG ANNQRIRDY G HDKLVYGMG RDKSHEHWVS VIRQLIHLGL VTQNIQAHS A LQLTEAARPV LRGESSLQLA VPRIVALPKP AMQKSFGGNY DRKLFALKRK LRKSIADSN VPPYVVFND A TLIEMAEQMP ITASEMLSVN GVGMRKLERF GKPFMALIRA HVDGD
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for recQ recombinant protein	Involved in the RecF recombination pathway; its gene expression is under the regulation of the SOS system. It is a DNA helicase.
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References	The recQ gene of Escherichia coli K12 primary structure and evidence for SOS regulation.Irino N., Nakayama K., Nakayama H.Mol. Gen. Genet. 205:298-304(1986) Analysis of the Escherichia coli genome DNA sequence of the region from 84.5 to 86.5 minutes.Daniels D.L., Plunkett G. III, Burland V.D., Blattner F.R.Science 257:771-778(1992) The complete genome sequence of Escherichia coli K-12.Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V., Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F., Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J., Mau B., Shao Y.Science 277:1453-1462(1997) Escherichia coli K-12 a cooperatively developed annotation snapshot -- 2005.Riley M., Abe T., Arnaud M.B., Berlyn M.K.B., Blattner F.R., Chaudhuri R.R., Glasner J.D., Horiuchi T., Keseler I.M., Kosuge T., Mori H., Perna N.T., Plunkett G. III, Rudd K.E., Serres M.H., Thomas G.H., Thomson N.R., Wishart D., Wanner B.L.Nucleic Acids Res. 34:1-9(2006) 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) Escherichia coli RecQ protein is a DNA helicase.Umezu K., Nakayama K., Nakayama H.Proc. Natl. Acad. Sci. U.S.A. 87:5363-5367(1990)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	445957726
NCBI GeneID	948318
NCBI Accession #	WP_000035581.1
NCBI GenBank Nucleotide #	WP_000035581.1
UniProt Accession #	P15043; P76762; Q2M8C7; Q6BEZ3
Molecular Weight	71.9 kDa
NCBI Official Full Name	MULTISPECIES: ATP-dependent DNA helicase RecQ
NCBI Official Symbol	recQ
NCBI Official Synonym Symbols	ECK3816; JW5855
NCBI Protein Information	ATP-dependent DNA helicase
UniProt Protein Name	ATP-dependent DNA helicase RecQ
UniProt Gene Name	recQ
UniProt Entry Name	RECQ_ECOLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.