Recombinant *E. coli* RecQ DNA Helicase protein (Active) ab63813

**Description**

**Product name**  
Recombinant *E. coli* RecQ DNA Helicase protein (Active)

**Biological activity**  
Unwinding duplex DNA, dependent on ATP. DNA-dependent ATPase.

**Purity**  
> 90% SDS-PAGE. Highly purified by several steps of chromatography.

**Expression system**  
Escherichia coli

**Accession**  
P15043

**Protein length**  
Full length protein

**Animal free**  
No

**Nature**  
Recombinant

**Species**  
Escherichia coli

**Sequence**

MAQAEVLNLE SGAKQVLQET FGYYQFRPGQ  
EEIDTVLSG RDCLVVMPTG GGGSLCYQIP ALALLNGLTVV  
VSPILSMKD QVDQLQANGV AAAACLNSTQT  
REQQLEVMTG CRTQIRLRY APERLMLDN  
FLEHLAHWNP VLLAVDEAHC ISQWHGDHRP  
EYAALGQRQ RFPTLPFMAL TATADDTRQ  
DVRLLGLND P LIQISSSFD R PNIRYLMMEK FKPLDQLMRY  
VQEORQKSGI YCNRSRAKVE DTAARLOSKG  
ISAAAYHAGL ENNVRARVQE KFQRDDLQV  
VATVAFGMGMK KNPNVRFVVH FDIPRNIESY  
YQETGRAGRD GLPAEAMLFY DPADMAWLRR  
CLEEKQPQQL QDIERHKLNA MGAFAEAQT  
RLVVNNYFG EGROEPGNC DCLDPPKOY  
DGSTDQIAL STIGRNQRF GMYVVEVIR GANNQRIRDY  
GDHKLVYVGM GDKSHEHWV SVIRQLHLG  
LVTONIAQHS ALQTEAARP VLRGESSLQL AVPRVALKP  
KAMQKSFGGN YDKRLFAKLKR KLRSIADES  
NVPPYVFND ATLEIMAEQM PITAEMLSV  
NGVGMRKLER FGKPFMALIR AHVDGDDEE

**Predicted molecular weight**  
68 kDa

**Amino acids**  
1 to 609
Specifications

Our Abpromise guarantee covers the use of ab63813 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications
- Functional Studies
- SDS-PAGE

Form
- Liquid

Additional notes
- Applications
  1) DNA dependent ATPase.
  2) DNA helicase specific for various forms of DNA structure like branched form and fork.

Preparation and Storage

Stability and Storage
- Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
- pH: 6
- Constituents: 0.38% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.0292% EDTA, 50% Glycerol (glycerin, glycerine)
- This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Relevance
- RecQ is a DNA helicase, involved in the recF recombination pathway; its gene expression is under the regulation of the SOS system.

Cellular localization
- Cytoplasmic, Bacterial nucleoid, Replisome

Images

SDS-PAGE analysis of Recombinant E. coli RecQ DNA Helicase protein (ab63813).

SDS-PAGE - Recombinant E. coli RecQ DNA Helicase protein (ab63813)
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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