

Product datasheet

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

3 References 1 Image

Description

<b>Product name</b>	Recombinant <i>E. coli</i> RecQ DNA Helicase protein (Active)	
<b>Biological activity</b>	Unwinding duplex DNA, dependent on ATP. DNA-dependent ATPase.	
<b>Purity</b>	> 90 % SDS-PAGE. Highly purified by several steps of chromatography.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P15043</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Escherichia coli	
<b>Sequence</b>	<p>MAQAEVLNLE SGAKQVLQET FGYQQFRPGQ          EEIIDTVLSG RDCLVVMPTG GGKSLCYQIP ALLLNGLTVV          VSPLISLMKD QVDQLQANGV AAACLNSTQT          REQQLEVMTG CRTGQIRLLY IAPERLMLDN          FLEHLAHWNP VLLAVDEAHC ISQWGHDFRP          EYAALGQLRQ RFPTLPFMAL TATADDTTRQ          DIVRLLGLND PLIQISSFDR PNIRYMLMEK FKPLDQLMRY          VQEQRGKSGI IYCNSRAKVE DTAARLQSKG          ISAAAYHAGL ENNVRADVQE KFQRDDLQVM          VATVAFGMGI NKPNVRFVVH FDIPRNIESY          YQETGRAGR DGLPAEAMLFY DPADMAWLRR          CLEEKPGGQL QDIERHKLNA MGAFAEAQTC          RRLVLLNYFG EGRQEPCGNC DICLDPPKQY          DGSTDAQIAL STIGRVNQR FGMGYVVEVIR GANNQRIRDY          GHDKLKVYGM GRDKSHEHWV SVIRQLIHLG          LVTQNIQHS ALQLTEAARP VLRGESSLQL AVPRIVALKP          KAMQKSFSGN YDRKLFALKR KLRKSIAD ESK          NVPPYVVFND ATLIEMAEQM PITASEMLSV          NGVGMRKLER FGKPFMALIR AHVDGDDEE</p>	
<b>Predicted molecular weight</b>	68 kDa	
<b>Amino acids</b>	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 form 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

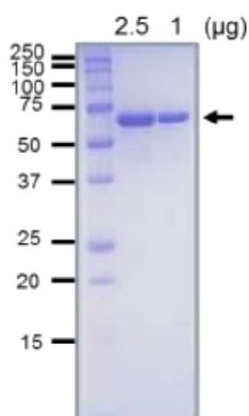
---

**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"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors