abcam

Product datasheet

Recombinant E. coli RecA protein (Active) ab174091

1 References 2 Images

Description

Product name	Recombinant E. coli RecA protein (Active)
Purity	> 90 % SDS-PAGE. ab174091 was over-expressed as a recombinant protein and highly purified by several steps of chromatography.
Expression system	Escherichia coli
Accession	P0A7G6
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Escherichia coli
Sequence	MAIDENKQKALAAALGQIEKQFGKGSIMRLGEDRSMDVETISTGSLSLDI ALGAGGLPMGRIVEIYGPESSGKTTLTLQVIAAAQREGKTCAFIDAEHAL DPIYARKLGVDIDNLLCSQPDTGEQALEICDALARSGAVDVIVVDSVAAL TPKAEIEGEIGDSHMGLAARMMSQAMRKLAGNLKQSNTLLIFINQIRMKI GVMFGNPETTTGGNALKFYASVRLDIRRIGAVKEGENVVGSETRVKVVKN KIAAPFKQAEFQILYGEGINFYGELVDLGVKEKLIEKAGAWYSYKGEKIG QGKANATAWLKDNPETAKEIEKKVRELLLSNPNSTPDFSVDDSEGVAETN EDF
Predicted molecular weight	36 kDa
Amino acids	1 to 353
Description	Recombinant *E. coli* RecA protein (Active)

Specifications

Our **Abpromise guarantee** covers the use of **ab174091** 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 Electron Microscopy
Form	Liquid

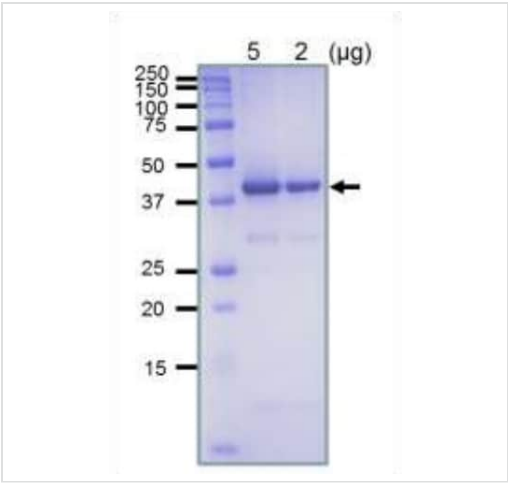
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle. pH: 6 Constituents: 50% Glycerol (glycerin, glycerine), 0.32% Tris-HCl buffer, 0.03% EDTA, 1.1% Potassium chloride, 0.02% DTT

General Info

Relevance	RecA in E.coli can catalyze the hydrolysis of ATP in the presence of single-stranded DNA, the ATP-dependent uptake of single-stranded DNA by duplex DNA, and the ATP-dependent hybridization of homologous single-stranded DNAs. It interacts with lexA causing its activation and leading to its autocatalytic cleavage.
Cellular localization	Cytoplasmic

Images



SDS-PAGE - Recombinant *E. coli* RecA protein (Active) (ab174091)

SDS-PAGE analysis of purified Recombinant *E. coli* RecA protein (ab174091).

SDS-PAGE - Recombinant *E. coli* RecA protein (Active) (ab174091)

Polyacrylamide gel electrophoresis of ab174091.

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