

## Product datasheet

# Recombinant thermus aquaticus RecA protein ab123228

[2 References](#) [1 Image](#)

### Description

<b>Product name</b>	Recombinant thermus aquaticus RecA protein
<b>Biological activity</b>	The activity of single-stranded DNA-dependent ATPase was confirmed.
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P48296</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Thermus aquaticus
<b>Predicted molecular weight</b>	37 kDa
<b>Amino acids</b>	1 to 340
<b>Additional sequence information</b>	This Protein is from Thermus aquaticus

### Specifications

Our **Abpromise guarantee** covers the use of **ab123228** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies
	SDS-PAGE
	Electron Microscopy

<b>Form</b>	Liquid
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### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C.
	pH: 6.5
	Constituents: 0.79% Tris HCl, 0.03% EDTA, 50% Glycerol (glycerin, glycerine), 1.17% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

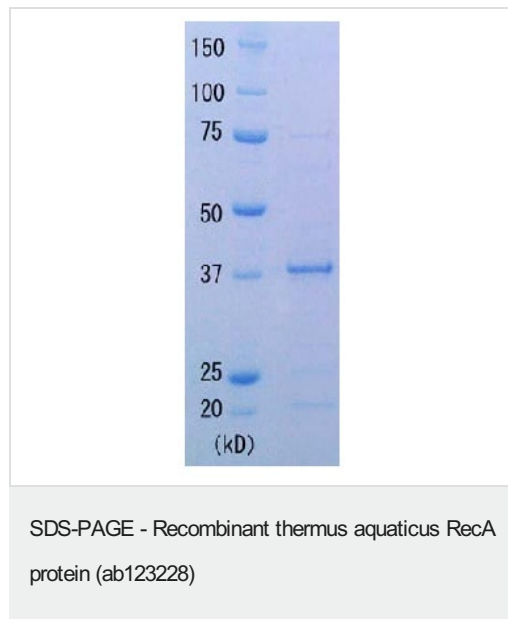
### Relevance

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 of ab123228

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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