

Product datasheet

Recombinant thermus aquaticus RecA protein ab123228

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

Overview

Product name	Recombinant thermus aquaticus RecA protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	P48296
Species	Thermus aquaticus
Molecular weight	37 kDa
Amino acids	1 to 340
Additional sequence information	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.

Biological activity The activity of single-stranded DNA-dependent ATPase was confirmed.

Applications Functional Studies
 SDS-PAGE
 Electron Microscopy

Purity > 90 % SDS-PAGE.

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C.

pH: 8.00

Constituents: 0.79% Tris HCl, 0.03% EDTA, 50% Glycerol, 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

SDS-PAGE - RecA protein (ab123228)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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