abcam

Product datasheet

Recombinant E. coli RuvC protein (Active) ab63828

3 References 画像数 1

製品の詳細

製品名	Recombinant E. coli RuvC protein (Active)
精製度	> 90 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	**P0A814**
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Escherichia coli
配列	MAIILGIDPGSRVTGYGVIRQVGRQLSYLGSGCIRTKVDD LPSRLKLIYAGVTEIITQFQPDYFAIEQVFMAKNADSALKLG QARGVAIV AAVNQELPVFEYAARQVKQTVVGIGSAEKSQVQHMVRTLLKL PANPQADA ADALAIAITHCHVSQNAMQMSESRLNLARGRLR
製品の詳細	Recombinant *E. coli* RuvC protein (Active)

特性

Our **Abpromise guarantee** covers the use of **ab63828** in the following tested applications.

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

アプリケーション	SDS-PAGE
	Western blot
	ELISA
	Functional Studies
製品の状態	Liquid
備考	ab63828 can be used for: 1) Studies on the homologous recombination mechanism. 2) To use as an endonuclease which functions specifically to the Holliday structure.

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at -20°C or -80°C. Stable for 12 months at -20°C.

pH: 6
Constituents: 0.039% Beta mercaptoethanol, 0.158% Tris HCl, 0.0584% EDTA, 50% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

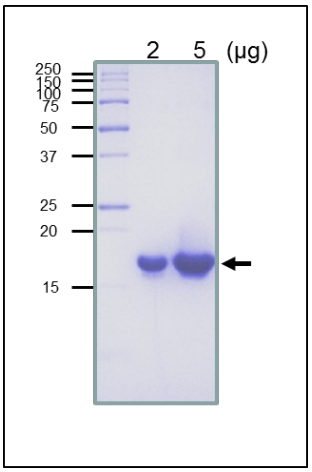
This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

関連性

In Escherichia coli, the RuvA, RuvB and RuvC proteins are required for the late stages of homologous recombination and DNA repair. They are involved in processing the Holliday junction during homologous recombination. RuvA protein binds to both single-stranded and double stranded DNA and enhances ATPase activity of RuvB. RuvA and RuvB promote branch migration whereas RuvC resolves junctions by endonucleolytic cleavage. Moreover RuvAB stimulate Holliday junction resolution by RuvC. The RuvA-RuvB complex interacts with an irregular conformation in damaged DNA and induces conformational changes in DNA using energy provided by ATP hydrolysis, so that it facilitates DNA repair, recombination and error prone replication. RuvABC proteins are responsible for the occurrence of DSBs at arrested replication forks. In cells proficient for RecBC, RuvAB is uncoupled from RuvC and DSBs may be prevented.

画像



SDS-PAGE - Recombinant *E. coli* RuvC protein (Active) (ab63828)

SDS-PAGE analysis of Recombinant *E. coli* RuvC protein (ab63828).

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