Datasheet for ABIN3188204

RecA Protein

Overview

Quantity:	200 µg

Product Details

Characteristics:	RecA from E. coli is a DNA-binding protein that is involved in homologous recombination in an ATP-dependent process. RecA binds to single-stranded DNA forming a nucleoprotein complex and promotes the strand exchange of single-strand DNA fragments with homologous duplex DNA. RecA also plays a role in post-replicative DNA repair mechanisms and in DNA repair and UV-induced mutagenesis. RecA Protein is commonly used to study the molecular mechanisms involved in homologous recombination.
Components:	Protein supplied with 10X Reaction Buffer.

Application Details

Comment:	• displacement loop mutagenesis • targeted DNA cleavage • visualization of DNA with electron microscopy • library screening with RecA coated probes
Restrictions:	For Research Use only

Handling

Concentration:	2 mg/mL
Buffer:	10 mM Tris-HCl (pH 7.5), 0.1 mM EDTA, 1 mM DTT, and 50 % (v/v) Glycerol.
Storage:	-20 °C

Publications

Product cited in:	Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)