



Datasheet, Version 2/2016

Catalog # 1269

Synonyms recA, DNA recombination protein recA

Type Recombinant

Source E. coli

Species Borrelia garinii

Tag GST Form Liquid

Purity >95% by SDS PAGE

Shipping Ice pack

Introduction

RecA protein participates in general recombination, repair of DNA. It has been observed in vitro to have DNA-dependent ATPase activity, promote proteolytic cleavage of repressors and to catalyze DNA strand pairing and exchange. In the presence of ATP, RecA Protein promotes the strand exchange of single-strand DNA fragments with homologous duplex DNA.

Description

The RecA protein binds strongly and in long clusters to ssDNA to form a nucleoprotein filament. The protein has more than one DNA binding site, and thus can hold a single strand and double strand together. This feature makes it possible to catalyze a DNA synapsis reaction between a DNA double helix and a complementary region of single stranded DNA.

Application

Functional Studies, Protein-protein interactions, Gel-shift assay, Pull-down assay, DNA binding and stabilization

Purification method

Affinity chromatography

Formulation

PBS solution 1 mg/ml

Specificity

Single stranded and double stranded DNA

Storage

-80C, aliquot to avoid repeated freezing and thawing.

Analyte specific reagent (ASR) manufactured under ISO 13485.

Country of origin: Czech Republic

