

Datasheet for ABIN2452182

**RuvA Protein****2** Publications[Go to Product page](#)

## Overview

Quantity:	20 µg
Target:	RuvA
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

## Product Details

Characteristics:	The product is a recombinant protein abundantly expressed by E. coli and purified by methods such as chromatography. The molecular weight is 22 kD and even in solution, it binds to the Holliday structure and form a tetramer.
Purity:	> 90 % by SDS-PAGE (CBB staining)

## Target Details

Target:	RuvA
Abstract:	<a href="#">RuvA Products</a>
Background:	E. coli RuvA protein binds specifically to the Holliday structure which is the intermediate of recombination at the late stage of homologous recombination and recombination repair and forms a complex with RuvB motor protein allowing the migration of Holliday junction using ATP hydrolysis energy and expands the heteroduplex region. In solution, it forms a tetramer and

## Target Details

binds to the cross-like DNA of the Holliday junction from below and above holding it in between.

UniProt: [P0A809](#)

## Application Details

Application Notes: 1) Functional as Holliday junction specific binding protein, which promotes Holliday-junction branch migration in combination with RuvB protein.  
2) For SNP analysis (Genome Research 13:1754-1764 PMID: 12840050).

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 2.7 mg/mL

Buffer: 50 % glycerol, 10 mM Tris-HCl ( pH 7.5), 2 mM EDTA, 100 mM NaCl, 5 mM mercaptoethanol

Storage: -20 °C

## Publications

Product cited in: Schaeffer, Hansen, Morris, LeBoeuf, Abrass: "RNA-binding protein IGF2BP2/IMP2 is required for laminin-?2 mRNA translation and is modulated by glucose concentration." in: **American journal of physiology. Renal physiology**, Vol. 303, Issue 1, pp. F75-82, (2012) ([PubMed](#)).