

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

## Product no AS21 4543P

## RuvA (protein, positive control)

## **Product information**

Purity Contains 50% glycerol, 10 mM Tris-HCl (pH 7,5), 2 mM EDTA, 100 mM NaCl, 5 mM mercaptoethanol. Over 90 % pure by SDS-PAGE.

Format Liquid

Quantity 20 μg

Storage Store at 4°C or -20°C for a longer period of time; once make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Additional information

This product can be used in functional studies as Holliday junction specific binding protein, which promotes Holliday-junction branch migration in combination with RuvB protein

## **Application information**

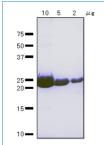
Expected | apparent 22 kDa (monomer)

Additional information RuvA protein is full length, highly purified (over 90 %, SDS-PAGE). UniProt: P0A809

Selected references

<u>Han</u> et al. (2006). Direct observation of DNA rotation during branch migration of Holliday junction DNA by Escherichia coli RuvA-RuvB protein complex. Proc Natl Acad Sci U S A. 2006 Aug 1;103(31):11544-8. doi: 10.1073/pnas.0600753103. Epub 2006 Jul 24. PMID: 16864792; PMCID: PMC1544206.

<u>Iwasaki</u> et al. (1992) Escherichia coli RuvA and RuvB proteins specifically interact with Holliday junctions and promote branch migration. Genes Dev. 1992 Nov;6(11):2214-20. doi: 10.1101/gad.6.11.2214. PMID: 1427081.



10, 5 and 2 µg of highly purified RuvA protein from Escherichia coli was separated on SDS-PAGE and stained by Coomasie.