

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.

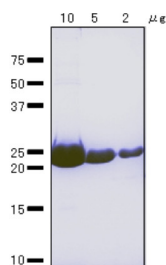
**Additional information** | This product can be used in functional studies as Holliday junction specific binding protein, which promotes Holliday-junction branch migration in combination with RuvB protein

**Application information**

**Expected | apparent MW** | 22 kDa (monomer)

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

**Selected references** | [Han 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.  
[Iwasaki 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 Coomassie.