

Product no **AS21 4545P****RuvC (protein, positive control)****Product information**

**Purity** | Contans 50% glycerol, 10 mM Tris-HCl (pH 7,5), 2 mM EDTA, 100 mM NaCl, 5 mM mercaptoethanol. Over 95 % pure by SDS-PAGE.

**Format** | Liquid

**Quantity** | 20 µg

**Storage** | Store at -20°C or -80°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:

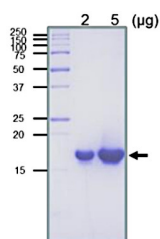
- *in vitro* functional studies. RuvC cleaves recombination intermediate at Holiday Junction
- As a positive control in Western blot and standard in ELISA.

**Application information**

**Expected | apparent MW** | 18,7 | 19 kDa

**Additional information** | RuvC protein is full length, highly purified (over 95 %, SDS-PAGE), recombinant without a tag at a concentration of 1 mg/ml (determined by BCA method). UniProt: [P0A814](https://www.uniprot.org/uniprot/P0A814)

**Selected references** | [Shinagawa & Iwasaki \(1996\)](#). Processing the holliday junction in homologous recombination. Trends Biochem Sci. 1996 Mar;21(3):107-11. PMID: 8882584.  
[Iwasaki et al. \(1991\)](#) Escherichia coli RuvC protein is an endonuclease that resolves the Holliday structure. EMBO J. 1991 Dec;10(13):4381-9. PMID: 1661673; PMCID: PMC453191.



2 and 5 µg of highly purified RuvC protein from *Escherichia coli* was separated on SDS-PAGE and stained by Coomassie. RuvC protein migrates at 19 kDa.