

Recombinant E. coli RuvC

Cat. No. ruvC-133E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant protein expressed in E.coli and highly purified by combined chromatography
Species	E.coli
Source	E.coli
Description	E. coli RuvC protein (19 kDa) is a structurally specific endonuclease which binds specifically to the Holliday structure, an intermediate of recombination, at the late stage of homologous recombination and recombination repair and introduces a nick in the symmetrical point of the Holliday junction cleaving and resolving the recombinant. Functional form is dimer.
Form	50% glycerol, 10 mM Tris-HCl (pH7.5), 2 mM EDTA, 100 mM NaCl, 5 mM mercaptoethanol
Purity	Over 90% by SDS-PAGE (CBB staining)
Applications	1) Functional studies in vitro. RuvC cleaves recombination intermediate at Holliday Junction. 2) SDS-PAGE3) Standard antigen for western blotting and ELISA
Storage	Sent at 4°C or at -20°C and upon arrival, centrifuge briefly and store at -20°C or -80°C for longer period.
Concentration	1.0 mg/ml (determined by BCA method)

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