

Recombinant E. coli Holliday Junction DNA Helicase RuvA

Cat. No. RuvA-2664E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E. coli Holliday Junction DNA Helicase RuvA is expressed in E. coli. MW= 22 KDa.
Species	E.coli
Source	E.coli
Description	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 pair 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 binds to the cross-like DNA of the Holliday junction from below and above holding it in between.
Form	50% glycerol, 10 mM Tris-HCl (pH7.5), 2 mM EDTA, 100 mM NaCl, 5 mM mercaptoethanol.
Purity	RuvA protein over 90% by SDS-PAGE (CBB staining).
Usage	1) Studies on homologous recombination mechanism. 2) For SNP analysis. 3) Incorporation to DNA circuit. 4) Recognition and identification of cross-like DNA.
Concentration	2.7 mg/ml (determined by BCA method).
Storage	-20°C.

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GENE INFORMATION

Gene Name	ruvA Holliday junction DNA helicase RuvA [Escherichia coli UT189]
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Synonyms	ruvA; Holliday junction DNA helicase RuvA
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Gene ID	3989992
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Protein Refseq	YP_541072
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