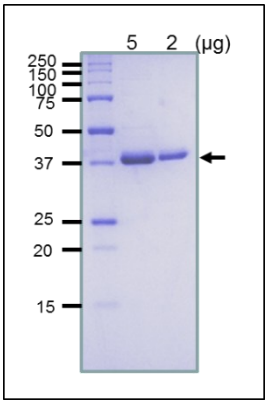
E. coli RuvB Protein, Functional

Product code	01-009 01-010
Size	20 µg 100 µg
Storage	-20℃ -80℃ (for longer storage) Avoid freeze-thaw cycles
Product Description	Full-length recombinant protein
Concentration	1.0 mg/ml (as determined by BCA method)
Buffer	50% glycerol, 10 mM Tris-HCl (pH7.5), 2 mM EDTA, 100 mM NaCl, 5 mM 2-mercaptoethanol
Purity	Over 95% by SDS-PAGE
Application	1. Functional studies in vitro; RuvA and RuvB form a complex that promotes Holiday junction (a recombination intermediatae) branch-migration by using ATP hydrolysis energy (Ref.2). 2. Standard antigen for western blotting and ELISA
Activity	Unwinding duplex DNA, dependent on ATP. DNA-dependent ATPase (Ref.2).
Background	*E. coli* RuvB protein forms a complex with RuvA protein at the late stage of homologous recombination and recombination repair and binds specifically to the Holliday structure which is the intermediate of recombination, allowing the migration of Holliday junction using ATP hydrolysis energy and expands the heteroduplex region.
Image	 **Figure** SDS-PAGE analysis of the purified RuvB protein. 37 kDa
Data Link	UniProtKB: P0A812 (RUVB_ECOLI)
Related product	01-007 E.coli RuvA protein 01-011 E.coli RuvC protein 61-005 anti-RuvA antibody, rabbit polyclonal 61-007 anti-RuvB antibody, rabbit polyclonal 61-009 anti-RuvC antibody, rabbit polyclonal

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.

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References: 01-009, 010 *E. coli* RuvB Protein, Functional

This product has been used in Ref 2-7.

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