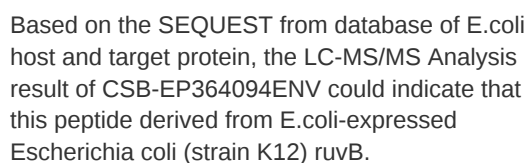
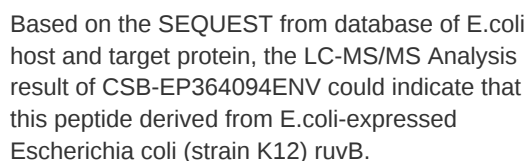
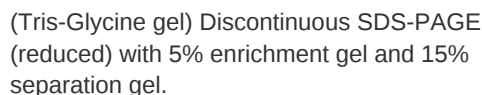




Recombinant Escherichia coli Holliday junction ATP-dependent DNA helicase RuvB (ruvB)

Product Code	CSB-EP364094ENV
Relevance	The RuvA-RuvB complex in the presence of ATP renatures cruciform structure in supercoiled DNA with palindromic sequence, indicating that it may promote strand exchange reactions in homologous recombination. RuvAB is a helicase that mediates the Holliday junction migration by localized denaturation and reannealing.
Abbreviation	Recombinant E.coli ruvB protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P0A812
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MIEADRLISAGTTLPEDVADRAIRPKLLEEYVGQPQVRSQMEIFIKAALKRGDAL DHLLIFGPPGLGKTTLANIVANEMGVNLRRTTSGPVLEKAGDLAAMLTNLEPHDV LFIDEIHRSLSPVVEEVLYPAMEDYQLDIMIGEGPAARSIKIDLPPFTLIGATTRAG SLTSPLRDRFGIVQRLEFYQVPDLQYIVSRSARFMGLEMSDDGALEVARRARG TPRIANRLLRRVRDFAEVKHDGTISADIAAQALDMLNVDAEGFDYMDRKLLAV IDKFFGGPVGLDNLAAAIGEERETIEDVLEPYLIQGGFLQRTPRGRMATTRA WNHFGITPPEMP
Research Area	Others
Source	E.coli
Target Names	ruvB
Protein Names	Recommended name: Holliday junction ATP-dependent DNA helicase RuvB EC= 3.6.4.12
Expression Region	1-336aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	53.2kDa
Protein Length	Full Length
Image	



Amino acids 1-336 form the expressed segment for recombinant *Escherichia coli* (strain K12) *ruvB*. This *ruvB* protein is expected to have a theoretical molecular weight of 53.2 kDa. This *ruvB* recombinant protein is manufactured in *e.coli*. The N-terminal 6xHis-SUMO tag was smoothly integrated into the coding gene of *ruvB*, which enables a simple process of detecting and purifying the *ruvB* recombinant protein in the following steps.

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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