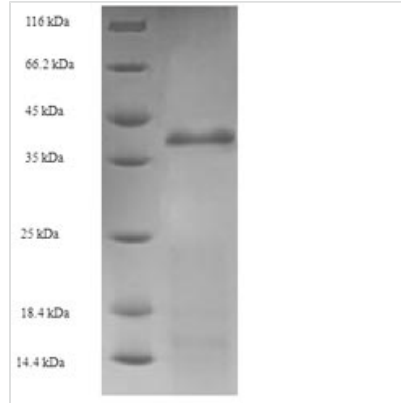




Recombinant Escherichia coli Holliday junction ATP-dependent DNA helicase RuvA(ruvA)

Product Code	CSB-EP359062ENV
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. RuvA stimulates, in the presence of DNA, the weak ATPase activity of RuvB. Binds both single- and double-stranded DNA (dsDNA). Binds preferentially to supercoiled rather than to relaxed dsDNA.
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.	P0A809
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Protein
Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MIGRLRGIIEKQPPLVLIEVGGVGYEVHMPMTCFYELPEAGQEAIVFTHFVVRE DAQLLYGFNKNKQERTLFKELIKTNGVGPKLALAILSGMSAQQFVNAVEREEVG ALVKLPGIGKKAERLIVEMKDRFKGLHGDLFTPAADLVLTSASPATDDAEQE AVAALVALGYKPQEASRMVSKIARPDASSETLIREALRAAL
Lead Time	3-7 business days
Research Area	Others
Source	E.coli
Gene Names	ruvA
Expression Region	1-203aa
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	38.1kDa
Protein Description	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.