

RecR Protein, E.coli (His-SUMO)

Cat. No.:	HY-P71490
Synonyms:	recR; b0472; JW0461; Recombination protein RecR
Species:	E.coli
Source:	E. coli
Accession:	P0A7H6 (M1-F201)
Gene ID:	66671226
Molecular Weight:	Approximately 38.0 kDa

PROPERTIES

AA Sequence	<p> M Q T S P L L T Q L M E A L R C L P G V G P K S A Q R M A F T L L Q R D R S G G M R L A Q A L T R A M S E I G H C A D C R T F T E Q E V C N I C S N P R R Q E N G Q I C V V E S P A D I Y A I E Q T G Q F S G R Y F V L M G H L S P L D G I G P D D I G L D R L E Q R L A E E K I T E V I L A T N P T V E G E A T A N Y I A E L C A Q Y D V E A S R I A H G V P V G G E L E M V D G T T L S H S L A G R H K I R F </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The RecR protein is suggested to potentially play a vital role in DNA repair, particularly in a RecBC-independent recombinational process. It appears to be intricately involved in facilitating DNA repair mechanisms, and it may operate in conjunction with RecF and RecO, highlighting potential collaborative interactions within the cellular machinery dedicated to DNA repair processes. The specific mechanisms and contexts in which RecR operates in the recombinational repair pathway remain subjects of interest, underscoring the need for further investigation to elucidate its precise functions and molecular interactions in maintaining genomic integrity through DNA repair.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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