

RecO Protein, E.coli (His-SUMO)

Cat. No.:	HY-P71512
Synonyms:	recO; b2565; JW2549; DNA repair protein RecO; Recombination protein O
Species:	E.coli
Source:	E. coli
Accession:	P0A7H3 (M1-E242)
Gene ID:	947038
Molecular Weight:	Approximately 43.4 kDa

PROPERTIES

AA Sequence	<pre> MEGWQRAFVL HSRPWSETSL MLDVFTEESG RVRLVAKGAR SKRSTLKGAL QPFTPLLLRF GGRGEVKTLR SAEAVSLALP LSGITLYSGL YINELLSRVL EYETRFSELF FDYLHCIQSL AGVTGTPEPA LRRFELALLG HLGYGVNFTH CAGSGEPVDD TMTYRYREEK GFIASVVIDN KTFTGRQLKA LNAREFPDAD TLRAAKRFTTR MALKPYLGGK PLKSRELFRQ FMPKRTVKTH YE </pre>
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 from date of receipt. 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	RecO protein, a crucial participant in DNA repair and the RecF pathway of recombination, operates as a monomer to execute its functional role. In the intricate landscape of cellular processes, RecO emerges as a key actor, contributing to the intricate choreography of DNA repair mechanisms and facilitating recombination within the RecF pathway. Its monomeric form underscores its singular involvement, highlighting its significance in the orchestration of cellular responses to DNA damage and recombination events.
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Caution: Product has not been fully validated for medical applications. For research use only.

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