

## RecF/UvrF Protein, E.coli (His-SUMO)

Cat. No.:	HY-P71489
Synonyms:	recF; uvrF; b3700; JW3677; DNA replication and repair protein RecF
Species:	E.coli
Source:	E. coli
Accession:	P0A7H0 (S2-D357)
Gene ID:	948209
Molecular Weight:	Approximately 56.4 kDa

### PROPERTIES

AA Sequence	<pre> S L T R L L I R D F   R N I E T A D L A L   S P G F N F L V G A   N G S G K T S V L E A I Y T L G H G R A   F R S L Q I G R V I   R H E Q E A F V L H   G R L Q G E E R E T A I G L T K D K Q G   D S K V R I D G T D   G H K V A E L A H L   M P M Q L I T P E G F T L L N G G P K Y   R R A F L D W G C F   H N E P G F F T A W   S N L K R L L K Q R N A A L R Q V T R Y   E Q L R P W D K E L   I P L A E Q I S T W   R A E Y S A G I A A D M A D T C K Q F L   P E F S L T F S F Q   R G W E K E T E Y A   E V L E R N F E R D R Q L T Y T A H G P   H K A D L R I R A D   G A P V E D T L S R   G Q L K L L M C A L R L A Q G E F L T R   E S G R R C L Y L I   D D F A S E L D D E   R R G L L A S R L K A T Q S Q V F V S A   I S A E H V I D M S   D E N S K M F T V E   K G K I T D           </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
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 <sub>2</sub> 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	RecF/UvrF protein plays a crucial role in DNA metabolism, being essential for both DNA replication and the proper inducibility of the SOS response. Its preference for binding to single-stranded, linear DNA highlights its involvement in the intricate processes of DNA maintenance. Additionally, RecF exhibits an affinity for ATP binding, further emphasizing its role in the regulation of DNA-related functions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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