DNA helicase II (uvrD) Recombinant Protein | uvrD recombinant protein

Recombinant Escherichia coli DNA helicase II (uvrD)

CATALOG #	HOST
AAA115786	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

DNA helicase II (uvrD); Recombinant Escherichia coli DNA helicase II (uvrD); uvrD recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-720aa; Full Length
Sequence	MDVSYLLDSL NDKQREAVAA PRSNLLVLAG AGSGKTRVLV HRIAWLMSVE NCSPYSIMAV TFTNKAAAEM RHRIGQLMGT SQGGMWVGTF HGLAHRLLRA HHMDANLPQD FQILDSEDQL RLLKRLIKAM NLDEKQWPPR QAMWYINSQK DEGLRPHHIQ SYGNPVEQTW QKVYQAYQEA CDRAGLVDFA ELLLRAHELW LNKPHILQHY RERFTNILVD EFQDTNNIQY AWIRLLAGDT GKVMIVGDDD QSIYGWRGAQ VENIQRFLND FPGAETIRLE QNYRSTSNIL SAANALIENN NGRLGKKLWT DGADGEPISL YCAFNELDEA RFVVNRIKTW QDNGGALAEC AILYRSNAQS RVLEEALLQA SMPYRIYGGM RFFERQEIKD ALSYLRLIAN RNDDAAFERV VNTPTRGIGD RTLDVVRQTS RDRQLTLWQA CRELLQEKAL AGRAASALQR FMELIDALAQ ETADMPLHVQ TDRVIKDSGL RTMYEQEKGE KGQTRIENLE ELVTATRQFS YNEEDEDLMP LQAFLSHAAL EAGEGQADTW QDAVQLMTLH SAKGLEFPQV FIVGMEEGMF PSQMSLDEGG RLEEERRLAY VGVTRAMQKL TLTYAETRRL YGKEVYHRPS RFIGELPEEC VEEVRLRATV SRPVSHQRMG TPMVENDSGY KLGQRVRHAK FGEGTIVNME GSGEHSRLQV AFQGQGIKWL VAAYARLESV
Species	Escherichia coli (strain K12)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for uvrD recombinant protein	A helicase with DNA-dependent ATPase activity. Unwinds DNA duplexes with 3' to 5' polarity with respect to the bound strand. Initiates unwinding more efficiently from a nicked substrate than ds duplex DNA. Involved in the post-incision events of nucleotide excision repair and methyl-directed mismatch repair, and probably also in repair of alkylated DNA
References	"Determination of the initiation sites of transcription and translation of the uvrD gene of Escherichia coli." Yamamoto Y., Ogawa T., Shinagawa H., Nakayama T., Matsuo H., Ogawa H. J. Biochem. 99:1579-1590(1986)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16131665
NCBI GeneID	948347
NCBI Accession #	NP_418258.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P03018; P76758; Q2M8B9; Q47709

Molecular Weight	82 kDa
NCBI Official Full Name	DNA-dependent ATPase I and helicase II
NCBI Official Symbol	uvrD
NCBI Official Synonym Symbols	dar-2; dda; ECK3808; JW3786; mutU; pdeB; rad; recL; srjC; uvr502; uvrE
NCBI Protein Information	DNA-dependent ATPase I and helicase II
UniProt Protein Name	DNA helicase II
UniProt Gene Name	**uvrD**
UniProt Synonym Gene Names	mutU; pdeB; rad; recL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/uvrd-recombinant-protein-e-coli/115786