

Werner syndrome ATP-dependent helicase (WRN) Recombinant Protein | WRN recombinant protein

Recombinant Human Werner syndrome ATP-dependent helicase (WRN), partial

CATALOG #
AAA244048

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Werner syndrome ATP-dependent helicase (WRN); Recombinant Human Werner syndrome ATP-dependent helicase (WRN); partial; WRN 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	500-946aa; Partial
Sequence	NLGLPTKEEE EDDENEANEG EEDDDKDFLW PAPNEEQVTC LKMYFGHSSF KPVQWKVIHS VLEERRDNVA VMATGYGKSL CFQYPPVYVG KIGLVISPLI SLMEDQVLQL KMSNIPACFL GSAQSENVLT DIKLGKYRIV YVTPEYCSGN MGLLQQLLEAD IGITLIAVDE AHCISEWGHF FRDSFRKLGS LKTALPMVPI VALTATASSS IREDIVRCLN LRNPQITCTG FDRPNLYLEV RRKTGNILQD LQPFLVKTSS HWEFEGPTII YCPSRKMTQQ VTGELRKLNL SCGTYHAGMS FSTRKDIHHR FVRDEIQCVI ATIAFGMGIN KADIRQVIHY GAPKDMESYY QEIGRAGR DG LQSSCHVLWA PADINLNRHL LTEIRNEKFR LYKLKMMAKM EKYLHSSRCR RQIILSHFED KQVQKASLGI MGTEKCCDNC RSRLDHC
Species	Human
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 WRN recombinant protein	This gene encodes a member of the RecQ subfamily and the DEAH (Asp-Glu-Ala-His) subfamily of DNA and RNA helicases. DNA helicases are involved in many aspects of DNA metabolism, including transcription, replication, recombination, and repair. This protein contains a nuclear localization signal in the C-terminus and shows a predominant nucleolar localization. It possesses an intrinsic 3 to 5 DNA helicase activity, and is also a 3 to 5 exonuclease. Based on interactions between this protein and Ku70 80 heterodimer in DNA end processing, this protein may be involved in the repair of double strand DNA breaks. Defects in this gene are the cause of Werner syndrome, an autosomal recessive disorder characterized by premature aging.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110735439
NCBI GeneID	7486
NCBI Accession #	NP_000544.2
NCBI GenBank Nucleotide #	NM_000553.5
UniProt Accession #	Q14191; A1KYY9
Molecular Weight	7486

NCBI Official Full Name	Werner syndrome ATP-dependent helicase
NCBI Official Synonym Full Names	Werner syndrome RecQ like helicase
NCBI Official Symbol	WRN
NCBI Official Synonym Symbols	RECQ3; RECQL2; RECQL3
NCBI Protein Information	Werner syndrome ATP-dependent helicase
UniProt Protein Name	Werner syndrome ATP-dependent helicase
UniProt Gene Name	WRN
UniProt Synonym Gene Names	RECQ3; RECQL2; RecQ3

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://stage.aaabiotech.com/wrn-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/244048>