

# Recombinant Human WRN Protein(500-946aa), His&MBP-tagged

**Cat. No.** WRN-1387H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human WRN Protein(Q14191)(500-946aa), fused with N-terminal MBP tag and C-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 500-946aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 94.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | NLGLPTKEEEEEDDENEANEGEEDDDKDFLWPAPNEEQVTCLKMYFGHSSFKPVQW<br>KVIHSVLEERRDNVAVMATGYGKSLCFQYPPVYVGKIGLVISPLISLMEDQVLQLKMS<br>NIPACFLGSAQSENVLTDIKLGKYRIVYVTPEYCSGNMGLLQQLEADIGITLIIVDEAH<br>CISEWGHDFRDSFRKLGSLKTALPMVPIVALTATASSSIREDIVRCLNLRNPQITCTGF<br>DRPNLYLEVRRKTGNILQDLQPFLVKTSSHWEFEGPTIYCPSRKMTQQVTGELRKL<br>NLSCGTYHAGMSFSTRKDIHHRFVRDEIQCVIATIAFGMGINKADIRQVIHYGAPKDM<br>ESYYQEIGRAGRDLQSSCHVLWAPADINLRHLLTEIRNEKFRLYKLMMAKMEKY<br>LHSSRCRRQIILSHFEDKQVQKASLGIMGTEKCCDNCRSLDHC |

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

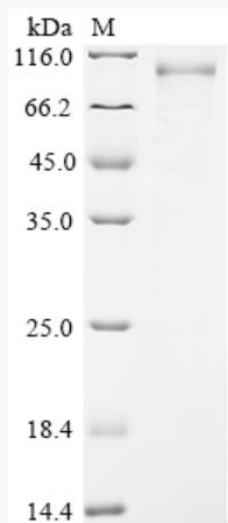
## GENE INFORMATION

|                        |                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | WRN Werner syndrome, RecQ helicase-like [ Homo sapiens ]                                                                                                                                                       |
| <b>Official Symbol</b> | WRN                                                                                                                                                                                                            |
| <b>Synonyms</b>        | WRN; Werner syndrome, RecQ helicase-like; Werner syndrome; Werner syndrome ATP-dependent helicase; RECQ3; RECQL2; exonuclease WRN; recQ protein-like 2; DNA helicase, RecQ-like type 3; RECQL3; DKFZp686C2056; |
| <b>Gene ID</b>         | 7486                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_000553                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_000544                                                                                                                                                                                                      |
| <b>MIM</b>             | 604611                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | Q14191                                                                                                                                                                                                         |

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**SDS-PAGE**

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