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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

WRN (Human) Recombinant Protein (Q01)

Catalog Number: H00007486-Q01

Regulation Status: For research use only (RUO)

Product Description: Human WRN partial ORF (NP_000544, 1322 a.a. - 1432 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

NPPVNSDMSKISLIRMLAPENIDTYLIHMAIEILKHGPDS
GLQPSCDVNKRRCFPGSEEICSSSKRSKEEVGINTET
SSAERKRRLPVWFAKGS DTSKKLMDKTKRGGLFS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 37.95

Interspecies Antigen Sequence: Mouse (61)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7486

Gene Symbol: WRN

Gene Alias: DKFZp686C2056, RECQ3, RECQL2, RECQL3

Gene Summary: 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. [provided by RefSeq]

References:

1. WRN protein as a novel erythroblast immunohistochemical marker with applications for the diagnosis of Werner syndrome. Sadahira Y, Sugihara T, Fujiwara H, Nishimura H, Suetsugu Y, Takeshita M, Okamura S, Goto M. Virchows Arch. 2015 Mar;466(3):343-50.