

Product datasheet for **SC206506**

WHIP (WRNIP1) (NM_020135) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	WHIP
Synonyms:	bA420G6.2; CFAP93; FAP93; WHIP
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_020135
Insert Size:	1700 bp



Insert Sequence:

>SC206506 3'UTR clone of NM_020135

The sequence shown below is from the reference sequence of NM_020135. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
GTAGATTTCTTCAAGCAGAGGAGGTGCTGACTCCTCAGGGCACGACAGCAGAAGGATGTTGCTTTTTTA
AGGGAGGGCCAGAAAGAAAGTTAGTGGATTGCAAAGTTGGTTGCCTGGTGAAGTTAGAACAGACCAAC
ATTTTGTGCCAGAAATTAAGAGTTCATAGGTGGAGGCGCAGTCTTTTGAATAAATGTGTAACCTTTG
AAATGTGTTCATTTGCACTCGGTGCGCGGTTATGCTTATGAAAATACCTGGCAGCTTTGTGCAATGA
ATTAATGTTATAAGGAATTATCTATTTTGTATAGTATTTAAGTCATAATGTCAATTCAGAAATTCAGTT
CTGTAGGATTTTCTTTCTTTAAAAATGTATATTCTGGGTAGTTTTAATTGGTAAAAAATGTAATTG
TGATTAATACTGCATAGTGTGGTATTTTTTATATGCAAAGGTCTTACGAGCCAATAAACTA
TTTCAAAGTACTCTCGATTCTGTCATGGTTTTCTGCCTGGATGCTAGGTACCAGCGTTGTCAACATT
GCATTTGGTGGGTGGATCTGGGAAGGAGAAATCACCCAGATGGGAAGAGTGGGGAGCTTAAGTTAAG
AAGTCAGTGTATCTTGTGAAAGTAACTCTGATCTCTTTAAAGGAATACATAAAGGAATCTTTAAA
TGGCTGTGGAAGACTCCAGTAGTCCCATGCCATTTTTCCCACTTGTCTGGTTTCTTCTGCAGCT
CCATATTTCTAAACAGTCGTTTTCTTTACTTTATGTGTCTTGAACACAAAATACGCCACTCCTTC
TGCTCAGTTAAGAGTTATTTGCCCTACTGCTACTTCTCTCCTCTCCTTAGTTGCATGTGCGTCATA
TGCCCAACAAGGATGGCCCTTCAGGTAGTCGGTTCTCCTCTGCTGTTGCGTGATCCCTCTGGGGTCC
TCCTGCCATGTCTGGAAGGCTGCCGCTGTTGGCTGGGACGTCCTCTGCCTTTATTCTGAGTGAGATG
CCCATTTCTGGATGCTCCATCCGCTTACTGGTTTATTCGCTATTTCACTGCAACCCATCCTCTAG
TAGTTTTATCAGGCTGGAGGAGCTGTATGTTGCAGAGGCTTGGCCGAGCTGGCCTCCCTCCTCTGTCT
GGAGTGGTTGCACTGCAGTGTGCAAGTGGCATCCCAAGATCTCCCTTCATCATCACCTGGAGCTTTC
CTCTGCTTCTCCCTGCACCCCATCTGATGACAGGACTGACTGCTTCTGGCACAGGTGGCATGTACCCT
CTAGTAGCTTTATGGAGCAGGGGTGTGGAGGAAAAGTATTTTAGACCTCAGGAGACTCAAAATGCT
TTTATTGTACCTTCAGACGTGTCTGAGGGTTTGGCTAGTAATAAATTGTAGGTAAGAAATTAATTGTGC
ATTGTTTTACACTTCCACATTGTTGTCAAGTTGAAGGCATCCTGATGTGTGTGGTCTTTTGTGTG
AACCTCTATCAACTGTAGACTCTTGTCTTTGCTCCCGTGTTTAAAAGTCTGCACTGGGTACTTG
TTGGGCCTTTCAATCTGAAACTCCTTCAGTTCTAGGGAAGTTTCTTTTTTATTCAATAAATTTATT
TATTTATGAGACCAACTCTTGCTCTTTTCCAGGCTGGAGGGC
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

NM_020135.3

Summary:

Werner's syndrome is a rare autosomal recessive disorder characterized by accelerated aging that is caused by defects in the Werner syndrome ATP-dependent helicase gene (WRN). The protein encoded by this gene interacts with the exonuclease-containing N-terminal portion of the Werner protein. This protein has a ubiquitin-binding zinc-finger domain in the N-terminus, an ATPase domain, and two leucine zipper motifs in the C-terminus. It has sequence similarity to replication factor C family proteins and is conserved from E. coli to human. This protein likely accumulates at sites of DNA damage by interacting with polyubiquitinated proteins and also binds to DNA polymerase delta and increases the initiation frequency of DNA polymerase delta-mediated DNA synthesis. This protein also interacts with nucleoporins at nuclear pore complexes. Two transcript variants encoding different isoforms have been isolated for this gene. [provided by RefSeq, Jul 2012]

Locus ID:

56897

MW:

64.1