

Product datasheet for **RN207583**

Wrnip1 (NM_172332) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wrnip1 (NM_172332) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wrnip1
Synonyms:	Whip; Wrnip
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207583 representing NM_172332
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGGTGAGCGGGCCGGAGGACGACCCCTTCTGTGCGAGCTGCACCAGGTGCAATGCCAGTGTGCC
 AGCAGATGATGCCCGCCGCGCATATCAACTCGCACCTGGACCGCTGCCTACTGTCACCCCTGCCGGGCA
 CGCGGAGCCAGCGGCCGGCCTCATCGCGCTGGGAGCGGGCTAAGGGGCCCTCGCCACCCGGCGCCAAG
 AGGCGTCGACTGTCGGAGAGCTCGGCGCTGAAACAGCCTGCCACCCGACGGCGGCCGAAAGCAGCGAAG
 GCGAGGGCGAGGAGGTGACGACGGCGGAGACTGAGAGCCGTGAGAGCTACGACGCACCGCCACGCC
 CAGCGGTGCGCGCCTATCCCGACTTCCCGGTTGCCCGCTCCAGCAGCCAGCTAGAAAGGTTTGGGG
 AAGAGGCCAGCGGCTGCAGCCGCGCGGGCAGTGCATCCCGCGCAGCTGGGATGAGACGGAGGCGCAGG
 AAGAGGAGGAGGGGGGTGGACGGCGATGGCGACGCGGACGTGGACGGTGAAGACGATCCTGGGCATTG
 GGATGCGGACGCCCGATGCTTCGTTGCGAGTACGCGGGTGCAGCACATCCTCGGGCACTGCCGGCT
 GAAGAAATCCGACAGATGCTGGAGGGCAAGCCACTGGCTGATAAGATGCTCCCGATACGCTGCAGGACT
 ACATCGGGCAGAGTAGGGCGGTAGGGCAGGAGACGCTGCTCCGCTCGCTATTGAAACCAACGAGATCCC
 CTCGCTCATCCTGTGGGGCCACCAGGTTGCGGTAAGACCACCTTGGCACACATCATAGCCAACAACAGC
 AAGAAGCACAGCATAAGGTTTGTGACATTATCTGCAACAAATGCCAAGACAAATGACGTGAGGGATGTCA
 TAAAGCAAGCTCAGAATGAAAAGAGCTTTTCAAAGGAAAACCATCCTTTTATTGATGAGATTCATCG
 TTTCAATAAATCTCAGCAGGACACTTTCCTTCTCACGTGGAATGTGGGACAATCACGCTGATTGGCGCA
 ACCACTGAGAATCCTTCCCTTCCAAGTCAACACCCGCACTTCTGAGCCGCTGTCGGTAATTGTTCTTGAGA
 AACTTCCAGTAGAGGCAATGGTGACGATTTTAAATGAGAGCAATCAACTCACTGGGATCCATGTGCTAGA
 CTTAGCCGTCCTACTGACCCTCTGAGCCACAGCAGCAACTGCAGCTCTGAGCCCTCGGTCTTCATAGAA
 GATAAAGCAGTGGACACTCTGGCTTACCTCAGTATGGTATGCCCGGACTGGCTTAAATGGACTGCAAC
 TGGCAGTGTGGCCAGGTTAAGCTCTAGAAAGATGTTTTGTAAGAAGAGCGGTCAAACCTATTCTCCTAG
 TCGAGTCTGATCACTGAGAATGATGTGAAAGAAGGTCTACAGCGGTCCCACATTTTATGACCGAGCA
 GGAGAAGAGCACTACAACGATCTCTGCCCTACACAAGGCTATGCGTGGCTCTGACCAGAATGCTTCCC
 TGTATTGGCTGGCCGGATGCTTGAAGGAGGGAGGACCCACTCTATGTGGCCAGGAGGCTGGTAAGGTT
 TGCCAGCGAGGACATTGGTCTGGCAGATCCGTGACACTAGCCCAAGCGGTTGCTGCCTACCAAGGCTGT
 CACTTTATAGGCATGCCCGAGTGTGAGGTGCTTCTGGCCAGTGTGTGGTGTATTTGCCAGAGCCCAA
 AGTCCATTGAGGTGTACAGTGCCTATAACAATGTAAAAGCCTGTCTGCGGAGCCACCAGGGGCCCTGCC
 TCTGTACCCCTGCACCTGAGGAATGCGCCACCAGGCTGATGAAGGATTTGGGTTATGGCAAAGGCTAC
 AAGTATAACCCCATGTACAGCGAGCCTGTGGACCAGGACTACCTGCCTGAGGAACTGAGAGGAGTTGACT
 TCTTCAAGCAAAGGCGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172332
- Insert Size:** 1983 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_172332.2](#), [NP_758835.1](#)

RefSeq Size: 2640 bp

RefSeq ORF: 1983 bp

Locus ID: 282835

UniProt ID: [Q8CG07](#)

Cytogenetics: 17p12

Gene Summary: human homolog binds WRN, a member of the RecQ family of DNA helicases that is mutated in Werner syndrome; may contribute to the premature aging phenotype in Werner syndrome [RGD, Feb 2006]