

Product datasheet for **RR207583**

Wrnip1 (NM_172332) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR207583 representing NM_172332
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGAGCGGGCCGGAGGACGACCCCTTCTGTGCGAGCTGCACCAGGTGCAATGCCAGTGTGCC
 AGCAGATGATGCCCGCCGCGCATATCAACTCGCACCTGGACCGCTGCCTACTGCTGCACCCCTGCGGGCA
 CGCGGAGCCAGCGGCCGGCCTCATCGCGCTGGGAGCGGGCTAAGGGGCCCTCGCCACCCGCGCCAAG
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 ACATCGGGCAGAGTAGGGCGGTAGGGCAGGAGACGCTGCTCCGCTCGCTATTGGAACCAACGAGATCCC
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 AAGAAGCACAGCATAAGGTTTGTGACATTATCTGCAACAAATGCCAAGACAAATGACGTGAGGGATGTCA
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 AAGTAAACCCCATGTACAGCGAGCCTGTGGACCAGGACTACCTGCCTGAGGAAGTGAAGGAGTTGACT
 TCTTCAAGCAAAGGCGGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207583 representing NM_172332
 Red=Cloning site Green=Tags(s)

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MEVSGPEDDPFLSQLHQVQCPVCQQMMPAAHINSHLDRCLLLHPAGHAEPAAGPHRAGERAKGPSPPGAK
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KRPAAAAAAGSASPRSWDETEAQEEEEAGVDGDGDADVDGEDDPGHWDADAADASFVVSAGRAHPRALPA
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GEEHYNCISALHKAMRGSDQNASLYWLARMLEGGEDPLVARRLVRFASEDIGLADPSALAAQAVAAVYQGC
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

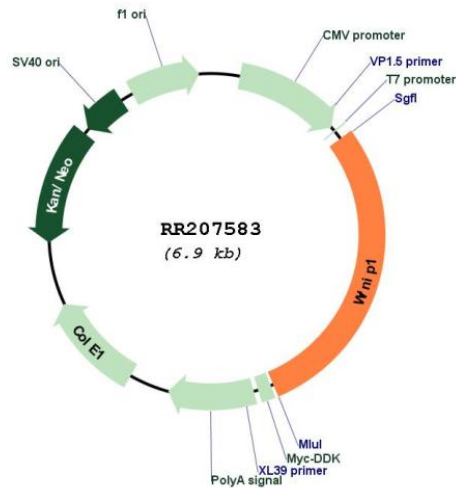
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172332

ORF Size: 1980 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>Q8CG07</u>
Cytogenetics:	17p12
MW:	71.9 kDa
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]