

Product datasheet for **MC200867**

Wrnip1 (NM_030215) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wrnip1 (NM_030215) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wrnip1
Synonyms:	4833444L21Rik; WHIP; Wrnip
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010482 sequence for NM_030215
 CGAGGCGTTGCCAGCTGCGGGCCGAGGGCGAGTTGACGCGGGAGCTCAGGACGTGAGGCATGAGCGGCGC
 CCTCCCTCGGCCCGTGCCTGTCTGCTCCCTACCCGCGCGAGGGTCGCGCGGCACCGGGCTAGCGGCGG
 GCATCGGCGTTCTCAGGGGCAGGTGCAGCCGCACGGGCGCCAGGGAGGGCAGTGCCACCATGGAGGTGA
 GCGGGCCGGAAGACGACCCCTTCTGTGCGAGCTGCACCAGGTGCAGTGCCAGTGTGCCAGCAGATGAT
 GCCCGCCGCGCACATCAATTCGCACCTGGACCGTGCCTGCTGCTGCACCCTGCGGGGCACGCGGAGCCA
 GCGGCGGCTCTACCCGCTGGGGAGCGGGCCAAGGGCCCTGCCACCCGCGCCAAAGCAGCGAAGGCGAGGCGA
 TGTGCGGAGAGCTCGGCGCTGAAGCAGCCGCCACCCGACGCGCGCCAAAGCAGCGAAGGCGAGGCGGA
 GGAGGGCGATGACGCGCGGAGACCGAGAGCCGTGAGAGCTACGACGCACCGCCACGCCACGCGGTGCG
 CGCCTTATCCCGACTTCCCGTGGCCCGCTCCAGCAGCCCGCCAGAAAGGGTATGGGGAAGAGACCAG
 CGGCTGCAGCCGCGCAGGCAGCGCATCCCGCGCAGCTGGGATGAGGCGGAGGCGCAGGAGGAGGAGGA
 GGCGGGGTGGACGCGGATGGCGACGCGGACGTGGACGGTGAAGGACGATCCCGGGCACTGGGATGCGGAC
 GCCCGCAGCCCTCGTTCGGAGTCAGCGCGGGCCGCGCATCCCGGGCGTGGCGGCGGAGGAGATCC
 GACAGATGCTGGAGGCAAGCCGCTGGTGACAAGATGCGTCCCGACACGCTGCAGGACTACATCGGGCA
 GAGTAGGGCCGTAGGGCAGGAGACTCTGCTCCGCTCGCTACTGGAGGCAATGAGATCCCTTCGCTCATC
 TTGTGGGCGCCGACAGTTGCGGTAAGACCACCTTGGCTCACATCATAGCCAACAACAGCAAGAAGCACA
 GCATAAGGTTTGTGACATTATCTGCAACAAATGCCAAGACAAATGATGTGCGAGATGTCATAAAGCAGGC
 TCAGAATGAAAAGAGCTTTTTCAAAGGAAAACCATCCTTTTTATTGATGAGATTCATCGCTTCAATAAA
 TCTCAGCAGGACACTTTCCTTCCCTACGTGGAGTGCGGGACAATCACGCTGATTGGTGCAGTACTGAGA
 ACCCTTCTTCCAAGTCAACGCCGCCCTTCTGAGCCGCTGCCGGTAATTGTTCTTGAGAAGCTTCCAGT
 AGAGGCAATGGTACGATTTTAAATGAGAGCAATCAACTCACTGGGAATCCATGTCCTAGACTCCAGCCGT
 CCTACTGACCCTTGAGCCACAGCAGCAACTGCAGTCCGAGCCCTGTCTTATAGAAGATAAAGCAG
 TGGACACTCTGGCTTACCTCAGTATGGAGATGCCCGGACGGGCTTGAATGGACTGCAACTGCGAGTGC
 GGCCAGGTTAAGCTCTAGGAAGATGTTCTGTAAGAAGAGCGGTCAAACCTATTCTCTAGTCGAGTTCTG
 ATCACTGAGAATGATGTGAAAGAAGGCCTACAGCGGTCCACATTTTATATGACCGTGCAGGAGAAGAGC
 ACTACAATGCATCTCTGCCCTACACAAGGCTATGCGTGGCTCTGACCAGAATGTTCCCTGTATTGGCT
 GGCCCGGATGCTTGAAGGAGGAGAGGACCCACTCTATGTGGCCAGAAGGCTGGTAAGGTTTGCCAGCGAG
 GACATCGGCTGGCAGATCCATCAGCATTAGCACAAAGCAGTTGCTGCCTACCAAGGCTGCACTTTATAG
 GCATGCCCCGAGTGTGAGGTGCTTCTGGCCAGTGTGTGGTCTATTTTGCCAGAGCCCCAAAGTCCATAGA
 GGTGTACAGTGCCTATAACAATGTAAGCCTGTCTGCGGAGTACCAGGGGCCCTGCCTCCTGTACCC
 CTGCACCTGAGGAACCGCCACCAGGCTGATGAAGGATTTGGGCTATGGCAAAGGTTACAAGTACAACC
 CCATGTACAGTGAAGCCTGTGACCAGGACTACCTGCCTGAGGAGCTGAGAGGAGTTGACTTCTTCAAGCA
 GAGGCGGTGTTGACTCTCGGGCCATGAGTAGGATGCTTGTATCTTGAAGGAAAGGCAAAAGTCACTGGATC
 TTGGAGTTGGTTGCTGGGGAACATTAATAATAGACCAACATTTTGTGCCAGAAATTAAGGGTTCCATAG
 ATGGAGGTGGTTACTTACGCTAAATGTGTACCATTGAAATTTGTGTTCAATTTGCACCTGTGCAATGATTA
 TGCTTATGAAAATACCTGGCAGCTTTGTGCAATTGAGTAATGTTATAAGGAATTAATCTATTTTGTATAG
 TATTTAAGTCATAATGCATTTCAAATTTCTGTTCTGTAGGCTTTTTTTCTTTTAAAAAATGATATTCT
 GGGTAGTTACAATTGGTACAAGAAAATGTAATTGTGATTAATACTGCATAGTATTTGGGTATTTTTTT
 TATATGCAAAGGTCTTATGAGCCAATAAACTATTTCAAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_030215
- 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: [BC010482](#), [AAH10482](#)

RefSeq Size: 2659 bp

RefSeq ORF: 1983 bp

Locus ID: 78903

UniProt ID: [Q91XU0](#)

Cytogenetics: 13 A3.2

Gene Summary: Functions as a modulator of initiation or reinitiation events during DNA polymerase delta-mediated DNA synthesis. In the presence of ATP, stimulation of DNA polymerase delta-mediated DNA synthesis is decreased. Plays also a role in the innate immune defense against viruses. Stabilizes the RIG-I/DDX58 dsRNA interaction and promotes RIG-I/DDX58 'Lys-63'-linked polyubiquitination. In turn, RIG-I/DDX58 transmits the signal through mitochondrial MAVS.[UniProtKB/Swiss-Prot Function]