

Product datasheet for **MG209831**

Wrnip1 (NM_030215) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wrnip1 (NM_030215) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wrnip1
Synonyms:	4833444L21Rik; WHIP; Wrnip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209831 representing NM_030215
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGAGCGGGCCGGAAGACGACCCCTTCTGTGCGAGTTGCACCAGGTGCAGTGCCAGTGTGCC
 AGCAGATGATGCCCGCCGCGCACATCAATTGCGACCTGGACCGCTGCCTGCTGTCACCCGCGGGGCA
 CGCGGAGCCAGCGGCCGCTCTACCGCGCTGGGAGCGGGCAAGGGGCCCTCGCCACCCGCGGCCAAG
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 GCGAGGGCGAGGAGGGGATGACGGCGGCGAGACCGAGAGCCGTGAGAGCTACGACGACCCGCCACGCC
 CAGCGGTGCGCGCTTATCCCGACTTCCCGTGGCCCGCTCCAGCAGCCCGCCAGAAAGGGTATGGGG
 AAGAGACCAGCGGCTGCAGCCGCCGAGCAGCGCATCCCGCGCAGCTGGGATGAGGCGGAGGCGCAGG
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 GAGGAGATCCGACAGATGCTGGAGGGCAAGCCGCTGGCTGACAAGATGCTCCAGACACGCTGCAGGACT
 ACATCGGGCAGAGTAGGGCCGTAGGGCAGGAGACTCTGCTCCGCTCGCTACTGGAGGCCAATGAGATCCC
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 AAGAAGCACAGCATAAGGTTTGTGACATTATCTGCAACAAATGCCAAGACAAATGATGTGCGAGATGTCA
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 CTTCAATAAATCTCAGCAGGACACTTTCCTTCTCACGTGGAGTGCGGGACAATCAGCTGATTGGTGCG
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 TCGAGTCTGATCACTGAGAATGATGTAAAGAAGGCCTACAGCGGTCCCACATTTTATGACCGTGCA
 GGAGAAGAGCACTACAACGATCTCTGCCCTACACAAGGCTATGCGTGGCTCTGACCAGAATGCTTCCC
 TGTATTGGCTGGCCGGATGCTTGAGGGAGGAGAGGACCCACTCTATGTGGCCAGGAGGCTGTAAGGTT
 TGCCAGCGAGGACATCGCCTGGCAGATCCATCAGCATTAGCACAAGCAGTTGCTGCCTACCAAGGCTGT
 CACTTTATAGGCATGCCCGAGTGTGAGGTGCTTCTGGCCAGTGTGTGGTCTATTTTGCCAGAGCCCAA
 AGTCCATTGAGGTGTACAGTGCCTATAACAATGTAAAAGCCTGTCTGCGGAGTACCAGGGGCCCTGCC
 TCCTGTACCCCTGCACCTGAGGAACGCGCCACCAGGCTGATGAAGGATTTGGGCTATGGCAAAGGGTAC
 AAGTACAACCCCATGTACAGTGAGCCTGTGGACCAGGACTACCTGCCTGAGGAGCTGAGAGGAGTTGACT
 TCTTCAAGCAGAGGCGGTGT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209831 representing NM_030215
Red=Cloning site Green=Tags(s)

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MEVSGPEDDPFLSQLHQVQCPVCQQMPPAAHINSHLDRCLLLHPAGHAEPAAAGSHRAGERAKGPSPPGAK
RRRLSESSALKQPATPTAAESSEGEEGEGDDGGETESRESYDAPPTPSGARLIPDFPVARSSSPARKGMG
KRPAAAAAAGSASPRSWDEAEAQEEEEAGVDGDADVDGEDDPGHWDADAADASFVVSAGRAHPRALAA
EEIRQMLEGKPLADKMRPDTLQDYIGQSRVAVGQETLLRSLLEANEIPSLILWGPPGCGKTLAHIANNSS
KKHSIRFVTLSATNAKTNDVRDVIKQAQNEKSFFKRKTIILFIDEIHRFNKSQLDFTLPHVECGTITLIGA
TTENPSFQVNAALLSRCRVIVLEKLPVEAMVTILMRAINSLGIHVLDSSRPTDPLSHSSNCSSEPSVFIGE
DKAVDTLAYLSDGDARTGLNGLQLAVLARLSSRKVFCCKKSGQTYSPSRVLIITENDVKEGLQRSHILYDRA
GEEHYNCISALHKAMRGSDQNASLYWLARMLEGGEDPLVYARRLVRFASEDIGLADPSALAQAVAAVYQGC
HFIMGPECEVLLAQCVVYFARAPKSIIEVYSAYNNVKAACLRSHQGPLPPVPLHLRNAPTRLMKDLGYGKGY
KYNPMYSEPVDDYLPPEELRGVDFFKQRRRC
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_030215

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_030215.3](#), [NP_084491.3](#)

RefSeq Size: 2642 bp

RefSeq ORF: 1983 bp

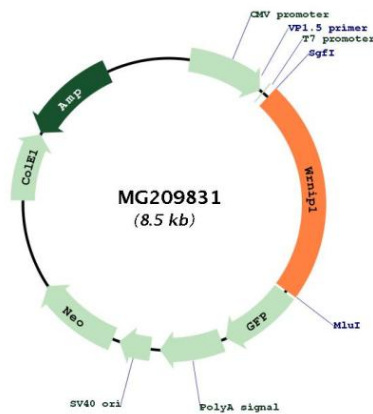
Locus ID: 78903

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]

Product images:



Circular map for MG209831