

Product datasheet for **MC206098**

Wac (BC080851) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wac (BC080851) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wac
Synonyms:	1110067P07Rik; A230035H12Rik; AI256735; AI256776; Wwp4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC080851
GCGAGAAGGACCCGGCGCGCGGAGCAGGAGGAGGGAAGGTGCTGGAGGCGTTCGCTCTCCGCGGGGAC
CGGAACACGGCCTCTCACCCCCTCCCCCGGCTCGCGCTGCCGCCCGTAGTTGGCACCTTGCCCCAGC
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AGGAGAAAACAAAGCTAGTCAGATGTGAATTGTATCTGTTGTAATAACATGTTTAAACAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: Ascl-NotI
ACCN: BC080851

Insert Size:	1941 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:	<ol style="list-style-type: none">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:	<u>BC080851</u> , <u>AAH80851</u>
RefSeq Size:	3282 bp
RefSeq ORF:	1941 bp
Locus ID:	225131
Cytogenetics:	18 A1
Gene Summary:	Acts as a linker between gene transcription and histone H2B monoubiquitination at 'Lys-120' (H2BK120ub1). Interacts with the RNA polymerase II transcriptional machinery via its WW domain and with RNF20-RNF40 via its coiled coil region, thereby linking and regulating H2BK120ub1 and gene transcription. Regulates the cell-cycle checkpoint activation in response to DNA damage. Positive regulator of amino acid starvation-induced autophagy. Also acts as a negative regulator of basal autophagy. Positively regulates MTOR activity by promoting, in an energy-dependent manner, the assembly of the TTT complex composed of TELO2, TTI1 and TTI2 and the RUVBL complex composed of RUVBL1 and RUVBL2 into the TTT-RUVBL complex. This leads to the dimerization of the mTORC1 complex and its subsequent activation. May negatively regulate the ubiquitin proteasome pathway.[UniProtKB/Swiss-Prot Function]