

## Product datasheet for **MC216283**

### **Ruvbl2 (NM\_011304) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ruvbl2 (NM_011304) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ruvbl2
Synonyms:	mp47; p47
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216283 representing NM\_011304  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAACCGTGGCAGCCACCACCAAGTCCCTGAGATCCGAGATGTGACAAGAATCGAGCGAATCGGCC  
 CTCACTCCACATCCGGGGCTGGGACTGGATGATGCCCTGGAGCCAAGACAGGCTTCCCAGGGAATGGT  
 GGGCAGCTAGCTGCCCGCGTGCAGCTGGCGTGGTGGTGGAGATGATCCGAGAAGGGAAGATTGCAGGG  
 CGGGCCGTCTCATTGCAGGCCAGCCAGGCACTGGGAAGACAGCCATTGCCATGGGCATGGCCAGGCAC  
 TGGGCCCCGACACACCATTACAGCCATCGCAGGCAGTGAGATCTTTTCTCTGGAGATGAGCAAGACTGA  
 GGCTCTAACGCAAGCCTTCGCCGTTCCATTGGTGTCCGGATCAAGGAGGAGACAGAGATCATTGAAGGG  
 GAGGTGGTAGAGATCCAGATTGACCGCCAGCCACAGGCACGGGATCCAAGGTGGCAAACCTGACCTCA  
 AGACCACGGAGATGGAGACCATCTACGACTGGGTACCAAGATGATCGAGTCCCTGACCAAGGACAAGGT  
 CCAGGCCGGAGAGTCATCACCATTGACAAGGCCACCGCAAGATCTCCAAGCTGGGCCGCTCTTTCACA  
 CGTGCACGGGACTACGACCCATGGGCTCCAGACCAAGTTTGTGCAAGTCCGAGACGGAGAGCTGCAGA  
 AACGCAAGGAGGTGGTGCACACCGTGTCCCTCCATGAGATTGACGTCATCAACTCCCGTACTCAGGGCTT  
 CCTGGCCCTTCTCAGGAGACACAGGGGAGATCAAGTCAGAAGTCCGAGAACAGATCAATGCAAAGGTG  
 GCTGAGTGGAGAGAGGAGGGCAAGGCAGAGATCATTCTGGGGTGTGTTTCATCGACGAGGTCCACATGC  
 TGGACATTGAGAGTTTCTTTCTCAACCGGGCCCTGGAGAGCGACATGGCGCCTGTCTCATCATGGC  
 CACCAACCGAGGGATCACCCGGATCCGAGGCACAGCTACCAGAGTCCCCACGGCATCCCCATCGACCTG  
 CTGGACCCTTGTCTATTGTATCAACGTCACCCACAGTGAGAAGGATACCAAGCAGATTCTGCGCATCC  
 GCTGTGAGGAGGAAGATGTGGAGATGAGTGAGGACGCCTACACAGTGTGACCCGATTGGGCTCGAGAC  
 CTCCTTGCCTATGCCATCCAGCTCATCACAGCGCCAGCCTGGTGTGCCGAAACGAAAGGGCACCGAG  
 GTGCAAGTTCGATGACATTAAGCGTGTATACTCCCTCTTCTGGATGAATCCCGCTCCACACAGTACATGA  
 AGGAGTACCAAGATGCCTTCTTCTCAATGAGCTCAAAGGCGAAACAATGGACACCTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_011304
- Insert Size:** 1392 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\\_011304.3](#), [NP\\_035434.1](#)

RefSeq Size: 1675 bp

RefSeq ORF: 1392 bp

Locus ID: 20174

UniProt ID: [Q9WTM5](#)

Cytogenetics: 7 B3

**Gene Summary:** Possesses single-stranded DNA-stimulated ATPase and ATP-dependent DNA helicase (5' to 3') activity; hexamerization is thought to be critical for ATP hydrolysis and adjacent subunits in the ring-like structure contribute to the ATPase activity.[UniProtKB/Swiss-Prot Function]