

## Product datasheet for **MC216149**

### **Ruvbl1 (NM\_019685) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ruvbl1 (NM_019685) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ruvbl1
Synonyms:	2510009G06Rik; Pontin52; Tip49a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216149 representing NM\_019685  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGATTGAGGAGGTGAAGAGCACCAGAAGACGCAGCGCATCGCCTCCACAGCCACGTGAAGGGTC  
 TGGGGCTGGACGAGAGCGCCTAGCCAAGCAGGCGCTTCGGGTCTCGTGGGCCAGGAGAACCGAGAGA  
 GGCATGTGGCGTCATTGTAGAATTAATCAAAGCAAGAAAATGGCTGGAAGAGCTGTCTTGTGGCGGGG  
 CCTCCTGGAAGTGGCAAGACAGCCTTGGCCCTTGTATTGCTCAGGAGCTGGGCAGTAAAGTCCCTTTCT  
 GCCCGATGGTGGGTAGCGAGGTAACTCAACTGAGATCAAAAAGACAGAGGTGCTGATGGAGAATTCCG  
 CAGGGCCATTGGGTTGCGGATAAAGGAGACTAAGGAGTTTATGAAGGGGAGGTGACAGAGCTCACTCCC  
 TGTGAGACAGAGAACCCATGGGTGGTACGGCAAACTATCAGCCATGTGATCATAGGGCTCAAGACTG  
 CTAAGGAACCAACAGCTGAAGCTGGACCCAGTATTTTTGAAAGTTTGCAGAAAGAACGAGTAGAGGC  
 TGGAGATGTGATTTACATTGAAGCAAATAGTGGAGCTGTGAAGAGGCAAGGCAGGTGTGACACCTATGCC  
 ACAGAGTTTGACCTTGAAGCTGAAGAGTACGTCCCTTTGCCAAAGGGAGATGTGCACAAGAAGAAGGAAA  
 TCATACAGGATGTGACCTTGATGACCTGGATGTGGCTAATGCGCGGCCCTCAGGGTGGGCAAGATATTCT  
 GTCTATGATGGCCAGTTGATGAAGCAAAAAGACAGAGATCACAGATAAACTTCGAGGGGAGATCAAC  
 AAAGTGGTGAACAAATACATTGACCAGGTGTGGCCGAGCTGGTCCCTGGAGTGTCTTTTGTGATGAGG  
 TCCACATGCTGGATATCGAGTGTCTTACCTACCTGCACCGAGCCCTGGAGTCTCCATCGCCCCATTGT  
 CATCTTTGCATCCAACCGAGGCAACTGTGTCATCAGGGGCACTGAGGACATCACTTCTCCACACGGCATC  
 CCGTTGGATCTGCTAGACAGGGTGTGATCATCAGGACCATGCTATACACGCCACAGGAGATGAAGCAGA  
 TCATTAAGATCCGAGCCCAGACGGAAGGCATCAACATCAGCGAGGAGGCGCTGAACCACCTCGGGGAGAT  
 TGGCACCAGACCACTCTGAGGTATTCGGTGCAGCTGCTGACCCAGCCAACCTGCTGGCAAAGATCAAT  
 GGCAAGGACAGCATTGAGAAGGAGCACGTGGAAGAGATCAGCGAGCTCTTCTATGACGCCAAGTCTCTG  
 CCAAGATTTTGGCTGACCAGCAGGACAAGTACATGAAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_019685

**Insert Size:** 1371 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\\_019685.2](#), [NP\\_062659.1](#)

RefSeq Size: 1670 bp

RefSeq ORF: 1371 bp

Locus ID: 56505

UniProt ID: [P60122](#)

Cytogenetics: 6 D1

**Gene Summary:** Possesses single-stranded DNA-stimulated ATPase and ATP-dependent DNA helicase (3' to 5') 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]