

## Product datasheet for **RN211915**

### Cpvl (NM\_001029927) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cpvl (NM_001029927) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cpvl
Synonyms:	MGC114536
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211915 representing NM\_001029927  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTTCTGTCGCCAGTGGAAAGGTGATTATTTTATTGATCCTGTTGATGGTCATCCCTAGTGATGGACTAT  
 TCCACTCCATATACCGAAGTATCCTTGTTGCCAGCCGTTCAAGGGGAATGCAGGACAGCCTCTATTCT  
 TAGTCCATACATCAGAAGTGGGAAGATCAAGGAGGGGCAAGGAAGAGCATGGTCAGTCTTTCCCTGGA  
 ATGTATGACAAGAGTTATGCTGGCTACATCACGGTGAACCCAGACTTACAACAGCAACCTCTTCTTCTGGT  
 TCTTTCCAGCTCGGACACAGCCCGCAGATGCCCCAGTAGTCTCTGGCTTCAGGGCGGTCTGGAGGTTCC  
 ATCCATGTTTGGACTCTTTGTAGAACACGGCCTTATATTATCACAAGTAAACATGACCGTCTCTCCAGA  
 GACTTCCCTTGGACCTTTAGCCTTTCCATGCTTTACATTGATAATCCGGTGGGTACAGGCTTCAGCTTCA  
 CTGATCATATCCAGGGATACCCATCGATGAGGACGATGTAGCCCAAGACTTGTACAGTGCAGTGGTTCA  
 GTTTTTCAAGTTGTTTCTGAGTACGCAAAGAATGACTTTTATATCACTGGCGAGTCTTATGCAGGGAAA  
 TATGTTCCGGCCATAGCATACTATATCCACTCCCTCAACCCCGTGCAGGTTCAAGATCCGCCTGAAAG  
 GAATTGCCCTTGAGATGCATACACTGATCCTGAAACGATTATAGGAGGGTACGCGACATTCCTGTATGA  
 AGTTGGCTTGTGGATGAACAGCAGCGAAGGCACTTCCGGAAGCAGTGTGAAAGTGCATAAAATACATC  
 AAAGAGCAGGAGTGGATGAAGGCCTTTGAAGTCTGGATGAAGTCTGGATGGAGATTTAACAGCTGGTC  
 CATCTTTCTTCCAGAATGTGACAGGATGCACCAATTAACAACATTTTACAGTGCACGGAACCCGAGGA  
 CCAAAGTTACTTTTCAAATTTCTGTACTCCACAAGTGAGACAAGCCATCCATGTGGGAAACCCGGAAC  
 TTCAGTGTGGTCTGAGGTTGAGAAGTACCTACGAGAGGACACAGTGAAGTCAAGTGAACCCCTGGCTAG  
 CTGAGATCATGAATTAACAAGTTCTCATCTACAATGGCCAACTGGACATCATTTGGCCGCTGCCCT  
 GACAGAACGCTCCTTGATGACCATGGACTGGAAGGGATCATACGCATACAGAAGGACACATAAAAAGATT  
 TGAAGATCTTCAATCTGATGATGAAGTGGCAGGTTATGTGCGCGCGTGGGTAATTCATCAGGTAA  
 TCGTCCGAGGTGGAGGACACATTTTGCCTATGACCAGCCACTGAGGCTTTTCGATATGATCAATCGCTT  
 CATCTATGACAGAGGATGGGAACCTTATAAATTA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001029927

**Insert Size:** 1437 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:	<u>NM_001029927.1, NP_001025098.1</u>
RefSeq Size:	1633 bp
RefSeq ORF:	1437 bp
Locus ID:	502774
UniProt ID:	<u>Q4QR71</u>
Cytogenetics:	4q24
Gene Summary:	May be involved in the digestion of phagocytosed particles in the lysosome, participation in an inflammatory protease cascade, and trimming of peptides for antigen presentation. [UniProtKB/Swiss-Prot Function]