

## Product datasheet for **RR211915**

### Cpvl (NM\_001029927) Rat Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>RR211915 representing NM\_001029927  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTTCTGTGCCAGTGAAGGTGATTATTTATTGATCCTGTTGATGGTCATCCCTAGTGATGGACTAT  
 TCCACTCCATATACCGAAGTATCCTTGTGCCAGCCGTTCAAGGGGAATGCAGGACAGCCTCTATTCT  
 TAGTCCATACATCAGAAGTGAAGATCAAGGAGGGGAAAGGAAGAGCATGGTCAGTCTTTCCCTGGA  
 ATGTATGACAAGAGTTATGCTGGCTACATCACGGTGAACCAAGTACAACAGCAACCTCTTCTTCTGGT  
 TCTTTCCAGCTCGGACACAGCCCGCAGATGCCCCAGTAGTCTCTGGCTTCAGGGCGGTCTGGAGGTT  
 ATCCATGTTTGGACTCTTTGTAGAACACGGCCTTATATTATCACAAGTAAACATGACCGTCTCTCCAGA  
 GACTTCCCTTGGACCTTTAGCCTTTCCATGCTTTACATTGATAATCCGGTGGGTACAGGCTTCAGCTTCA  
 CTGATCATATCCAGGGATACCCATCGATGAGGACGATGTAGCCCAAGACTTGTACAGTGCAGTGGTTCA  
 GTTTTTCAAGTTGTTTCTGAGTACGCAAGAATGACTTTTATATCACTGGCGAGTCTTATGAGGGAAA  
 TATGTTCCGGCCATAGCATACTATATCCACTCCCTCAACCCCGTGCAGGTTCAAGATCCGCCTGAAAG  
 GAATTGCCCTTGAGATGCATACACTGATCCTGAAACGATTATAGGAGGGTACGCGACATTCCTGTATGA  
 AGTTGGCTTGTGGATGAACAGCAGCGAAGGCACTTCCGGAAGCAGTGTGAAAGTGCATAAAATACATC  
 AAAGAGCAGGAGTGGATGAAGGCCTTTGAAGTCTGGATGAAGTCTGGATGGAGATTTAACAGTGGTC  
 CATCTTTCTTCCAGAATGTGACAGGATGCACCAATTAACAACATTTTACAGTGCACGGAACCCGAGGA  
 CCAAAGTTACTTTTCAAATTCTTGTACTCCACAAGTGAGACAAGCCATCCATGTGGGAAACCCGGAAC  
 TTCAGTGTGGTCTGAGGTTGAGAAGTACCTACGAGAGGACACAGTGAAGTCAAGTGAACCCCTGGCTAG  
 CTGAGATCATGAATTAACAAGTTCTCATCTACAATGGCCAAGTGGACATCATTGTGGCCGCTGCCCT  
 GACAGAACGCTCCTTGTGACCATGGACTGGAAGGGATCATACGCATACAGAAGGACACATAAAAAGATT  
 TGAAGATCTTGAATCTGATGATGAAGTGGCAGGTTATGTGCGCGCGTGGGTAATTCATCAGGTAA  
 TCGTCCGAGGTGGAGGACACATTTGCCCTATGACCAGCCACTGAGGCTTTTCGATATGATCAATCGCTT  
 CATCTATGACAGAGGATGGGAACCTTATAAATTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211915 representing NM\_001029927  
 Red=Cloning site Green=Tags(s)

MVRAQWKVILLILLMVIIPSDGLFHSIYRSILVAQPFKGNAGQPLFLSPYIRTGKIKEGQRKSMVSPFPG  
 MYDKSYAGYITVNQTYNSNLFFWFFPARTQPADAPVVLWLQGGPGGSSMFGLFVEHGPYIITSNMTVLSR  
 DFPWTFSLSMLYIDNPVGTGFSFDHIQGYAIDEDDVAQDLYSALVQFFKLFPEYAKNDFYITGESYAGK  
 YVPAIAYYIHLNPVRRFKIRLKGIALGDAYTDPETIIGGYATFLYEVGLLDEQRRHRFRKQCRKCIKYI  
 KEQEWKAFEVLDLDELDDLTAGPSFFQNVGTCTNYNINILQCTEPEDQSYFSKFLSLPQVRQAIHVGNRN  
 FSDGAEVEKYLREDTVKSVPWLAEIMNYKVL IYNGQLDIIVAAALTERSLMTMDWKGSYAYRRTHKKI  
 WKIFESDDEVAGYVRRVGKHFQVIVRGGHILPYDQPLRSFDMINRFIYDRGWEPYKL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

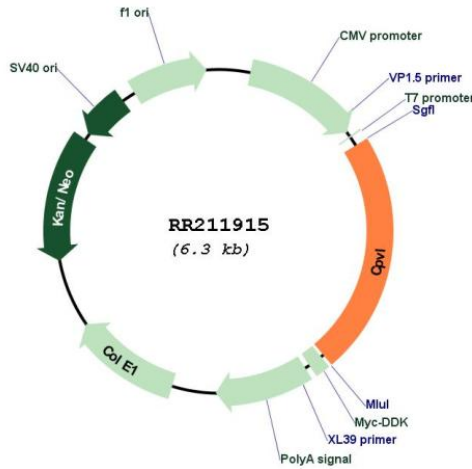
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001029927

ORF Size: 1434 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\\_001029927.1](#), [NP\\_001025098.1](#)

**RefSeq Size:** 1633 bp

**RefSeq ORF:** 1437 bp

**Locus ID:** 502774

**UniProt ID:** [Q4QR71](#)

**Cytogenetics:** 4q24

**MW:** 55.1 kDa

**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]