

## Product datasheet for **MC216514**

### **Cpvl (NM\_027749) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cpvl (NM_027749) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cpvl
Synonyms:	4933436L16Rik; HVLP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216514 representing NM\_027749  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTTCTGTGCCAAGTGAAGATGGTTGTTTCACTGATCTTGTTTATGGTCAGCCCTGGTATGGACTGT  
 TTCATGCAGTATACCGAAGTATCCTTGTTCAGTCTTCAAGGGGATGCAGGACAGCCTCTTTTCT  
 TAGCCCATACATCAAAAACGGGAAGATCAAGGAGGGGCAAGGAAGAGCATGGTCAGTCCGTTCCCTGGA  
 ATGAACGACAAGAGTTATGCCGGCTACATCACGGTGAACCAAGTACAACAGCAACCTCTTCTTCTGGT  
 TCTTCCGGCTCGGATGCAGCCTGAGGATGCCCCAGTAGTCTCTGGCTCAGGGTGGACCTGGAGGTTT  
 ATCCATGTTTGGACTCTTGTAGAACACGGCCTTATATTATCACAAGTAAACATGACCGTTGTGGCCAGA  
 GACTTCCCTTGGACCTTTACCTTTCCATGCTCTACATTGATAATCCGGTGGGTACAGGCTTACAGTTCA  
 CCGATCATTTCCAGGGATACGCCACCAGCGAGGATGATGTAGCCCAAGACTTGTACAGTGCCTGATTCA  
 GTTCTTACAGTTGTTTCCGAGTATGCAAAGAATGATTTTACGTCAGTGGCGAGTCTTATCGAGGGAAA  
 TATGTTCCGGCCCTAGCACACTATATCCACTCCCTCAACCCCGTGGGAAAGTTCAAGATTCGCCTAAAAG  
 GAATTGCCATTGGAGATGCATACACTGATCCTGAATCGATTATAGGAGGGTATGCGGCATTCCCTATATGA  
 AATTGGCTTGTGGATGAACAGCAGCAGAAGTACTTCCAGAAGCAGTGTAGCAAGTGCCTAAAATACATC  
 AAAGAGCAGGAGTGGATGAAGGCCTTTGAAATCCTGGATAAGCTGCTAGATGGAGATGTAACAACCTGGT  
 CATCTTCTTCCAGAATGTGACAGGATGTACCAATTAACAACATTTTACAGTGCACGGAACCCAAAGGA  
 GCAAAGTTACTTTGAAAATCTTGACGCTCCCCAAGTGAGACAAGCCATCCACGTGGGAAACCCAGAAC  
 TTCAGTGACGGTGCTGAGGTTGAGAAGCACCTGCGAGAGGACACAGTGAAGTCCGTGAAGCCCTGGCTGT  
 CTGAGATCATGAATTAACAAGGTTCTCATCTACAATGGCCAACTGGACATCATCGTGGCGGCTGCCCT  
 GACAGAGCGCTCCTTGATGGCCATGGACTGGAAGGGATCCCGAGCATAACAGAAGGGCACGTCGAAAGGTC  
 TGAAGATCTTCAAATCGGATAATGAAGTGGCTGGTTATGTGAGCGTGTGGGCAAAATCCATCAGGTAA  
 TCGTCCGAGGTGGAGGACACATTTGCCCTATGACCAGCCAATGAGATCTTTGATATGATCAATCGCTT  
 CATCTATGACAGAGGATGGGAACCTTATAATTC**A****TAA**

**ACCGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_027749

**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: [NM\\_027749.2](#), [NP\\_082025.1](#)

RefSeq Size: 1708 bp

RefSeq ORF: 1437 bp

Locus ID: 71287

UniProt ID: [Q9D3S9](#)

Cytogenetics: 6 B3

**Gene Summary:** This gene encodes a member of the serine carboxypeptidase family of proteases that cleave amino acids from the C-terminus of a protein substrate. The human ortholog of this gene, where it was first characterized, was found to be upregulated during the maturation of monocytes to macrophages. The encoded protein may be involved in antigen processing, digestion of phagocytosed proteins in the lysosome and lamellipodium formation. Disruption of this gene in mice was found to cause embryonic lethality. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 2 encode the same isoform (1).