

Product datasheet for **MC227904**

Cpvl (NM_001289713) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpvl (NM_001289713) 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: >MC227904 representing NM_001289713
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTTCTGTGCCAAGTGAAGATGGTTGTTTCACTGATCTTGTTATGGTCAGCCCTGGTATGGACTGT
TTCATGCAGTATACCGAAGTATCCTTGTTTCCCAGTCCTCAAGGGGATGCAGGACAGCCTCTTTTCT
TAGCCCATACATCAAAAACGGGAAGATCAAGGAGGGGCAAGGAAGAGCATGGTCAGTCCGTTCCCTGGA
ATGAACGACAAGAGTTATGCCGGCTACATCACGGTGAACCAAGTACAACAGCAACCTCTTCTTCTGGT
TCTTTCCGGCTCGGATGCAGCCTGAGGATGCCCCAGTAGTCTCTGGCTCAGGGTGGACCTGGAGGTTT
ATCCATGTTTGGACTCTTTGTAGAACACGGCCTTATATTATCACAAGTAAACATGACCGTTGTGGCCAGA
GACTTCCCTTGGACCTTTACCTTTCCATGCTCTACATTGATAATCCGGTGGGTACAGGCTTACAGTTCA
CCGATCATTTCCAGGGATACGCCACCAGCGAGGATGATGTAGCCCAAGACTTGTACAGTGCCTGATTCA
GTTCTTACAGTTGTTTCCCGAGTATGCAAAGAATGATTTTACGTCAGTGGCGAGTCTTATGCAGGGAAA
TATGTTCCGGCCCTAGCACACTATATCCACTCCCTCAACCCCGTGGGAAAGTTCAAGATTCGCCTAAAAG
GAATTGCCATTGGAGATGCATACACTGATCCTGAATCGATTATAGGAGGGTATGCGGCATTCCCTATATGA
AATTGGCTTGTGGATGAACAGCAGCAGAAGTACTTCCAGAAGCAGTGTAGCAAGTGCCTAAAATACATC
AAAGAGCAGGAGTGGATGAAGGCCTTTGAAATCCTGGATAAGCTGCTAGATGGAGATGTAACAACCTGGT
CATCTTTCTTCCAGAATGTGACAGGATGTACCAATTAACAACATTTTACAGTGCACGGAAACCAAGGA
GCAAAGTTACTTTGCAAATCTTGACGCTCCCCAAGTGAGACAAGCCATCCACGTGGGAAACCAAGAAC
TTCAGTGACGGTGTGAGGTTGAGAAGCACCTGCGAGAGGACACAGTGAAGTCCGGTGAAGCCCTGGCTGT
CTGAGATCATGAATTACTACAAGGTTCTCATCTACAATGGCCAACTGGACATCATCGTGGCGGCTGCCCT
GACAGAGCGCTCCTTGATGGCCATGGACTGGAAGGGATCCCAGCATAACAGAAGGGCACGTCGAAAAGGTC
TGAAGATCTTCAAATCGGATAATGAAGTGGCTGGTTATGTGAGCGTGTGGGCAAAATCCATCAGGTAA
TCGTCAGGAGTGGAGGACACATTTGCCCTATGACCAGCCAATGAGATCTTTTATATGATCAATCGCTT
CATCTATGACAGAGGATGGGAACCTTATAATTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001289713

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001289713.1](#), [NP_001276642.1](#)

RefSeq Size: 1622 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 (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1).