

Product datasheet for MC227680

Cpvl (NM_001289714) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpvl (NM_001289714) 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
Fully Sequenced ORF:	>MC227680 representing NM_001289714 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTTCGTGCCAAGTGAAGATGGTTGTTTCACTGATCTTGTTATGGTCAGCCCTGGTATGGACTGT
TTCATGCAGTATACCGAAGTATCCTTGTTCAGTCTTCAAGGGGATGCAGGACAGCCTCTTTTTCT
TAGCCCATACATCAAAAACGGGAAGATCAAGGAGGGCAAAGGAAGAGCATGGTCACTCCGTTCCTGGA
ATGAACGACAAGAGTTATGCCGGCTACATCACGGTGAACCAAGACTTACAACAGCAACCTCTTCTTGGT
TCTTCCGGCTCGGATGCAGCCTGAGGATGCCCAAGTAGTCTCTGGCTCAGGGTGGACCTGGAGGTT
ATCCATGTTTGGACTCTTTGTAGAACACGGCCTTATATTATCACAAGTAACATGACCGTTGGCCAGA
GACTTCCCTTGGACCTTACCCTTCCATGCTCTACATTGATAATCCGGTGGGTACAGGCTTACGCTTCA
CCGATCATTCCAGGGATACGCCACCAGCGAGGATGATGTAGCCCAAGACTTGTACAGTGCCTGATTCA
GTTCTTCACGTTGTTCCCGAGTATGCAAAGAATGATTTTTACGTCAGTGGCGAGTCTTATGCAGGGAAA
TATGTTCCGGCCCTAGCACACTATCCACTCCCTCAACCCGTGCGGAAGTTCAAGATTCGCCTAAAAG
GAATTGCCATTGGAGATGCATACACTGATCCTGAATCGATCCTGGATAAGCTGCTAGATGGAGATGTAAC
AACTGGTTCATCTTCTCCAGAATGTGACAGGATGTACCAATTAACAACATTTTACAGTGCACGGAA
CCCAAGGAGCAAAGTTACTTTGCAAAATCTTGACGCTCCCCAAGTGAGACAAGCCATCCACGTGGGAA
ACCAGAACTTCAGTGACGGTGTGAGGTTGAGAAGCACCTGCGAGAGGACACAGTGAAGTCGGTGAAGCC
CTGGCTGTCTGAGATCATGAATTACTACAAGTTCTCATCTACAATGGCCAACTGGACATCATCGTGGCG
GCTGCCCTGACAGAGCGCTCCTTGTAGGCCATGGACTGGAAGGGATCCCGAGCATACAGAAGGGCACGTC
GAAAGGTCTGGAAGATCTTCAAATCGGATAATGAAGTGGTGGTTATGTGAGGCGTGGGCAAATTTCA
TCAGGTAATCGTCCGAGGTGGAGGACACATTTGCCCTATGACCAGCCAATGAGATCTTTTGATATGATC
AATCGTTCATCTATGACAGAGGATGGGAACCTTATAATTCATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001289714
Insert Size:	1305 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:	<ol style="list-style-type: none">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_001289714.1</u> , <u>NP_001276643.1</u>
RefSeq Size:	1490 bp
RefSeq ORF:	1305 bp
Locus ID:	71287
UniProt ID:	<u>Q9D3S9</u>
Cytogenetics:	6 B3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR and lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>