

Product datasheet for **MR230115**

Cpvl (NM_001289713) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpvl (NM_001289713) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpvl
Synonyms:	4933436L16Rik; HVLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR230115 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTCTGTGCCAAGTGAAGATGGTTGTTTCTGATCTTGTATGGTCAGCCCTGGTATGGACTGT
 TTCATGCAGTATACCGAAGTATCCTTGTTCAGTCCTCAAGGGGATGCAGGACAGCCTCTTTTCT
 TAGCCCATACATCAAAAACGGGAAGATCAAGGAGGGGCAAAGGAAGAGCATGGTCAGTCCGTTCCCTGGA
 ATGAACGACAAGAGTTATGCCGGCTACATCACGGTGAACCAGACTTACAACAGCAACCTCTTCTTGGT
 TCTTCCGGCTCGGATGCAGCCTGAGGATGCCCGAGTCTCTGGCTCAGGGTGGACCTGGAGGTTT
 ATCCATGTTTGGACTCTTGTAGAACACGGGCTTATATTATCACAAGTAACATGACCGTTGTGGCCAGA
 GACTTCCCTTGGACCTTTACCTTTCCATGCTCTACATTGATAATCCGGTGGGTACAGGCTTCAGCTTCA
 CCGATCATTTCCAGGGATACGCCACCAGCGAGGATGATGTAGCCCAAGACTTGTACAGTGCCTGATTCA
 GTTCTTACGTTGTTTCCGAGTATGCAAAGAATGATTTTACGTCAGTGGCGAGTCTTATGCAGGGAAA
 TATGTTCCGGCCCTAGCACACTATATCCACTCCCTCAACCCCGTCCGGAAGTTCAAGATTCGCCTAAAAAG
 GAATTGCCATTGGAGATGCATACACTGATCCTGAATCGATTATAGGAGGGTATGCGGCATTCCCTATATGA
 AATTGGCTTGTGGATGAACAGCAGCAGAAGTACTTCCAGAAGCAGTGTAGCAAGTGCCTAAAATACATC
 AAAGAGCAGGAGTGGATGAAGGCCTTTGAAATCCTGGATAAGCTGCTAGATGGAGATGTAACAATGGTT
 CATCTTTCTTCCAGAATGTGACAGGATGTACCAATTACTACAACATTTTACAGTGCACGGAACCAAGGA
 GCAAAGTTACTTTGCAAAATCTTGACGCTCCCCAAGTGAGACAAGCCATCCAGTGGGAAACCAAGAC
 TTCAGTGACGGTCTGAGGTTGAGAAGCACCTGCGAGAGGACACAGTGAAGTCGGTGAAGCCCTGGCTGT
 CTGAGATCATGAATTACTACAAGTTCTCATCTACAATGGCCAACTGGACATCATCGTGGCGGCTGCCCT
 GACAGAGCGCTCCTTGATGGCCATGGACTGGAAGGGATCCCGAGCATACAGAAGGCACGTCGAAAGGTC
 TGAAGATCTTCAAATCGGATAATGAAGTGGCTGGTTATGTGAGGCGTGTGGGCAAATTCATCAGGTAA
 TCGTCCGAGGTGGAGGACACATTTGCCCTATGACCAGCCAATGAGATCTTTTGATATGATCAATCGCTT
 CATCTATGACAGAGGATGGGAACCTTATAATTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230115 protein sequence
 Red=Cloning site Green=Tags(s)

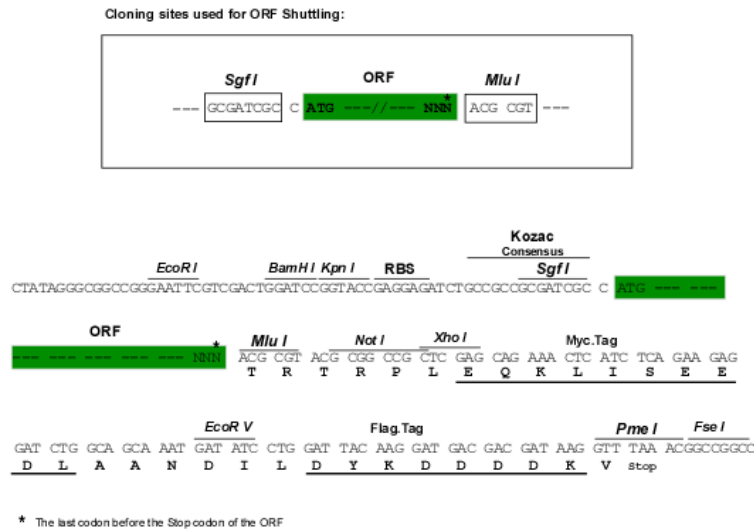
MVRAKWKMVVSLILFMVSPGDGLFHAVYRSILVSQSFKGDAGQPLFLSPYIKNGKIKEGQRKSMVSPFPG
 MNDKSYAGYITVNQTYNSNLFFWFFPARMQPEDAPVVLWLQGGPGGSSMFGLFVEHGPIIITSNMTVVAR
 DFPWFTLSMLYIDNPVGTGFSFTDHFQGYATSEDDVAQDLYSALIQQFTLFPEYAKNDFYVTGESYAGK
 YYPALAHYIHLNPVRKFIRLKGIAIGDAYTDPESIIGGYAAFLYEIGLLDEQQQKYFQKQCSKCVKYI
 KEQEWMAFEILDKLLDGDVTTGSSFFQNVGTCTNYNQLQCTEPKEQSYFAKFLTLQVVRQAIHVGQNQ
 FSDGAEVEKHLREDTVKSVKPLSEIMNYYKVLINQQLDIIVAAALTERSLMAMDWKGSRAYRRARRKV
 WKIFKSDNEVAGYVRRVGKFHQVIVRGGHILPYDQPMRSFDMINRFIYDRGWEPYNS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001289713

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001289713.1](#), [NP_001276642.1](#)

RefSeq Size: 1622 bp

RefSeq ORF: 1437 bp

Locus ID: 71287

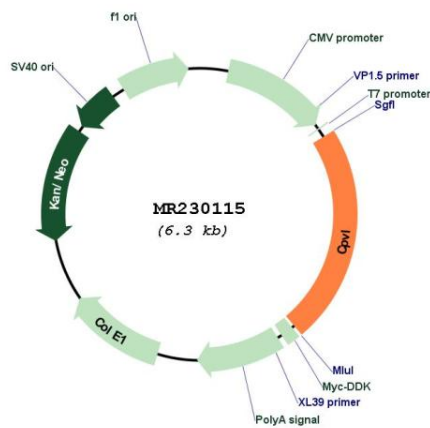
UniProt ID: [Q9D3S9](#)

Cytogenetics: 6 B3

MW: 54.8 kDa

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]

Product images:



Circular map for MR230115