

Product datasheet for **SC107803**

CPVL (NM_031311) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPVL (NM_031311) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPVL
Synonyms:	HVLP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107803 sequence for NM_031311 edited (data generated by NextGen Sequencing)

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ATGGTTGGTGCCATGTGGAAGGTGATTGTTTCGCTGGTCTGTTGATGCCTGGCCCCTGT
GATGGGCTGTTTCGCTCCCTATACAGAAGTGTTCATGCCACCTAAGGGAGACTCAGGA
CAGCCATTATTTCTACCCCTTACATTGAAGCTGGGAAGATCCAAAAAGGAAGAGAATTG
AGTTTGGTCGGCCCTTTCCYAGGACTGAACATGAAGAGTTATGCCGGCTTCTCACCGTG
AATAAGACTTACAACAGCAACCTCTTCTGTTCTTCCCAGCTCAGATACAGCCAGAA
GATGCCCCAGTAGTTCTCTGGCTACAGGGTGGGCCGGGAGGTTCCATCCATGTTTGGACTC
TTTGTGGAACATGGGCCTTATGTTGTCAACAAGTAACATGACCTTGCGTGACAGAGACTTC
CCCTGGACCACAACGCTCTCCATGCTTTACATTGACAATCCAGTGGGCACAGGCTTCAGT
TTTACTGATGATACCCACGGATATGCAGTCAATGAGGACGATGTAGCACGGGATTATAC
AGTGCCTAATTCAGTTTTTCCAGATATTTCTGAATATAAAAAAATGACTTTTATGTC
ACTGGGGAGTCTTATGCAGGGAAATATGTGCCAGCCATTGCACACCTCATCCATCCCTC
AACCTGTGAGAGAGGTGAAGATCAACCTGAACGGAATTGCTATTGGAGATGGATATTCT
GATCCCGAATCAATTATAGGGGGCTATGCAGAATTCCTGTACCAATTGGCTTGTGGAT
GAGAAGCAAAAAAGTACTTCCAGAAGCAGTGCCATGAATGCATAGAACACATCAGGAAG
CAGAACTGGTTTGGCCCTTGAATACTGGATAAACTACTAGATGGCGACTTAAACAAGT
GATCCTTCTTACTTCCAGAATGTTACAGGATGTAGTAATTACTATAACTTTTTGGCGTGC
ACGGAACCTGAGGATCAGCTTACTATGTGAAATTTTTGTCACTCCCAGAGGTGAGACAA
GCCATCCACGTGGGGAATCAGACTTTTTAATGATGGAACATAGTTGAAAAGTACTTGCGA
GAAGATACAGTACAGTCAAGTAAAGCCATGGTTAACTGAAATCATGAATAATTATAAGTT
CTGATCTACAATGGCCAACTGGACATCATCGTGGCAGCTGCCCTGACAGAGCGCTCCTTG
ATGGGCATGGACTGAAAAGGATCCAGGAATACAAGAAGCAGAAAAAAAAGTTTGGAAAG
ATCTTTAAATCTGACAGTGAAGTGGCTGTTACATCCGGCAAGYGGGTGACTTCCATCAG
GTAATTATTTCAGGTGGAGGACATATTTTACCCTATGACCAGCCTCTGAGAGCTTTTGC
ATGATTAATCGATTTCATTTATGAAAAGGATGGGATCCTTATGTTGGATAA

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Clone variation with respect to NM_031311.3
 200 c=>y;1304 c=>y

5' Read Nucleotide Sequence: >OriGene 5' read for NM_031311 unedited

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TCAAAATTTGTAATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGGGACAACC
GGCTGGGGTCTTTCGCGCCCGCGGCTCNAGGAGGAGCACCAGCTGCGCCGCACCCTGAGA
GATGGTTGGTGCCATGTGGAAGGTGATTGTTTCGCTGGTCTGTTGATGCCTGGCCCCTG
TGATGGGCTGTTTCGCTCCCTATACAGAAGTGTTCATGCCACCTAAGGGAGACTCAGG
ACAGCCATTATTTCTACCCCTTACATTGAAGCTGGGAAGATCCAAAAAGGAAGAGAATT
GAGTTTGGTCGGCCCTTTCCCAGGACTGAACATGAAGAGTTATGCCGGCTTCTCACCGT
GAATAAGACTTACAACAGCAACCTCTTCTGTTCTTCCCAGCTCAGATACAGCCAGA
AGATGCCCCAGTAGTTCTCTGGCTACAGGGTGGGCCGGGAGGTTCCATCCATGTTTGGACT
CTTTGTGGAACATGGGCCTTATGTTGTCAACAAGTAACATGACCTTGCGTGACAGAGACTT
CCCCTGGACCACAACGCTCTCCATGCTTTACATTGACAATCCAGTGGGCACAGGCTTCAG
TTTTACTGATGATACCCACGGATATGCAGTCAATGAGGACGATGTAGCACGGGATTATATA
CAGTGCCTAATTCAGTTTTTCCAGATATTTCTGAATATAAAAAAATGACTTTTATGT
CACTGNNGGAGTCTTATGCANGGAAATATGTGCCAGCCATTGCACACCTCATCCATCCC
TTCACCCTGTGAGAGAGGTTGAAGATCAACCTGAACGGNATTGCTATTGGAGATGGATAT
TTCTGATCCCGAATCAATNATAGGGGGCTATGCAGAATATCCTGTACCNATNGGCCTT
TGTTGGATGAGAAGCAAAAAAGTACTTCANNAAGCANTGCCANTGATGCNTAGACTCA
GGAGCNAACACTGGNTTGGAGCCTTGA

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_031311 unedited ACTTTGGTAATTTTAAATGGATGAAAAATCTTGCANATATGAAAGNAAATTTTTTATT CCTATGACATTTTCTGTTTTACGATTTTCTTTTCAGCAATGAAAACCTCTGATGTTCTC TTTTGGGAAGGTAGTTTATCCAACATAAGGATCCCATCCTTTCCATAAATGAATCGATT AATCATGTCAAAAGCTCTCAGAGGCTGGTCATAGGGTAAAATATGTCCTCCACCTCGAAT AATTACCTGATGGAAGTCACCCACTTGCCGGATGTAACCAGCCACTTCACTGTCAGATTT AAAGATCTTCCAACCTTTTTTTCTGCCTTCTTGTATTCTGGGATCCTTTCCAGTCCAT GCCCATCAAGGAGCGCTCTGTCAAGGCAGCTGCCACGATGATGTCCAGTTGGCCATTGTA GATCAGAACCTTATAATTATTCATGATTTCAAGTTAACCATGGCTTAACTGACTGTACTGT ATCTTCTCGCAAGTACTTTTCAACTATAGTTCCATCATTAAAAGTCTGATTCCCCACGTG GATGGCTTGTCTCACCTCTGGGAGTGACAAAAATTTACATAGTAAAGCTGATCCTCAGG TTCCGTGCACCGCAAAAAGTTATAGTAATTACTACATCCTGTAACATTCTGGAAGTAAGA AGGATCACTTGTTAAGTCGCCATCTAGTAGTTTATCCAGTATTTCAAAGGCCTCAAACCA GTTCTGCTTCTGATGTGTTCTATGCATTATGCACACTGCTTCTGGAAGTACTNTTTTTG CTTCTCATCCAACAAGCCAATTTGGTACAGGAATTCTGCANTAGCCCCTATAATTGATTC GGNATCAGAATATNCATCTNCATAGCAATTNCGTTCAGGTTGATCTTCACTCTCTCACAG GNTGAGGAATGGATGAGTGTGCATGCTGCACATATTTCTCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_031311
Insert Size:	1770 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:	<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:	NM_031311.2 , NP_112601.2
RefSeq Size:	1638 bp
RefSeq ORF:	1431 bp
Locus ID:	54504
UniProt ID:	Q9H3G5
Cytogenetics:	7p14.3
Domains:	serine_carbpept

Protein Families: Druggable Genome, Protease

Gene Summary: The protein encoded by this gene is a carboxypeptidase and bears strong sequence similarity to serine carboxypeptidases. Carboxypeptidases are a large class of proteases that act to cleave a single amino acid from the carboxy termini of proteins or peptides. The exact function of this protein, however, has not been determined. [provided by RefSeq, Jan 2017]
Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. All four variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.