

## Product datasheet for **SC327914**

### CPNE1 (NM\_003915) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE1 (NM_003915) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE1
Synonyms:	COPN1; CPN1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>Fully Sequenced ORF:</b>	<p>&gt;NCBI ORF sequence for NM_003915, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAAGATGATGCACATGGCCCACTGCGTGACCTTGGTTCAGCTGTCCATTTCTGTGAC CATCTCATTGACAAGGACATCGGCTCCAAGTCTGACCCACTCTGCGTCTTTTACAGGAT GTGGGAGGGGGCAGCTGGGCTGAGCTTGGCCGACTGAACGGGTGCGGAAGTCTCAAGC CCTGAGTTCTCCAAGACTCTACAGCTTGTAGTACCGCTTTGAGACAGTCCAGAAGCTACGC TTTGAATCTATGACATAGACAACAAGACGCCAGAGCTGAGGGATGATGACTTCTAGGG GGTGTGAGTGTCCCTAGGACAGATTGTGTCCAGCCAGTACTGACTCTCCCCTTGATG CTGAAGCCTGGAAAACCTGCTGGGCGGGGACCATCACGGTCTCAGCTCAGGAATTAAG GACAATCGTGTAGTAACCATGGAGGTAGAGGCCAGAACTAGATAAGAAGGACTTCTG GGAAAATCAGATCCATTTCTGGAGTTCTTCCGCCAGGGTATGGGAAATGGCACCTGGT TACAGATCTGAGGTCATCAAGAACAACCTGAACCTACATGGAAGCGTTTCTCAGTCCCC GTTTCCAGATTTCTGTGGTGGGAACCCAGCACACCCATCCAGGTGCAATGCTCCGATTAT GACAGTGACGGGTCACATGATCTCATCGGTACCTTCCACACCAGCTTGGCCAGTGCAG GCAGTCCCGGCTGAGTTTGAATGCATCCACCCTGAGAAGCAGCAGAAAAAGAAAAGCTAC AAGAAGCTGGAAGTATCCGTGTCAAGATTTGTGGGTAGAAAACAGAGTACTCCTTTCTG GACTATGTGATGGGAGGCTGTGAGTCAACTTCACTGTGGGCGTGGACTTCACTGGCTCC AATGGAGACCCCTCCTACCTGACTCCCTACACTACCTGAGTCCAACAGGGGTCAATGAG TACCTGATGGCACTGTGGAGTGTGGGCAGCGTGGTTCAGGACTATGACTCAGACAAGCTG TTCCCTGCATTTGGATTTGGGGCCAGGTTCCCCTGACTGGCAGGTCTCGCATGAATTT GCCTTGAATTTCAACCCAGTAACCCCTACTGTGCAGGCATCCAGGGCATTGTGGATGCC TACCGCAAGCCCTGCCCAAGTTCGCCCTATGGCCCTACCAACTTTGCACCCATCATC AACCATGTGGCCAGGTTTGCAGCCAGGCTGCACATCAGGGGACTGCCTCGCAACTTTC ATGCTGTTGCTGCTGACTGATGGTGTGTGACGGATGTGGAAGCCACAGTGGAGGCTGTG GTGCGTGCCTCGAACCTGCCATGTGAGTATCATTGTGGGTGTGGTGGTGTGACTTT GAGGCCATGGAGCAGCTGGACGCTGATGGTGGACCCCTGCATACAGTCTGGGCAGGCT GCTGCCCGCAGATTGTGCAAGTTGTACCCTACCGCCGTTCCAGAATGCCCTCGGGAG GCATTGGCACAGACCGTGTGCGAGAAGTGGCCACACAAGTGGTCTCATACTTCAGGGCC CAGGGTTGGGCCCGCTCAAGCCACTTCCACCCTCAGCCAAGGATCCTGCACAGGCCCC CAGGCC </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_003915
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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\\_003915.4](#), [NP\\_003906.2](#)

**RefSeq Size:** 2207 bp

**RefSeq ORF:** 1629 bp

**Locus ID:** 8904

**UniProt ID:** [Q99829](#)

**Cytogenetics:** 20q11.22

**Domains:** C2, VWA

**Gene Summary:** Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a calcium-dependent protein that also contains two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. However, the encoded protein does not contain a predicted signal sequence or transmembrane domains. This protein has a broad tissue distribution and it may function in membrane trafficking. This gene and the gene for RNA binding motif protein 12 overlap at map location 20q11.21. Alternate splicing results in multiple transcript variants encoding different proteins. [provided by RefSeq, Aug 2008]  
Transcript Variant: This variant (3) uses a different exon in its 5' UTR and 5' coding region, compared to variant 1. It encodes isoform b, which has a longer and distinct N-terminus, compared to isoform a.