

## Product datasheet for **SC311288**

### CPNE1 (NM\_152925) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CPNE1 (NM\_152925) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CPNE1  
**Synonyms:** COPN1; CPN1  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_152925, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCACTGCGTGACCTTGGTTCAGCTGTCCATTTCTGTGACCATCTCATTGACAAG
GACATCGGCTCCAAGTCTGACCCACTCTGCGTCCTTTTACAGGATGTGGGAGGGGCGAGC
TGGGCTGAGCTTGGCCGGACTGAACGGGTGCGGAACTGCTCAAGCCCTGAGTTCTCCAAG
ACTCTACAGCTTGTGAGTACCGCTTGTGAGACAGTCCAGAAGCTACGCTTTGGAATCTATGAC
ATAGACAACAAGACGCCAGAGCTGAGGGATGATGACTTCTAGGGGGTGTGAGTGTTC
CTAGGACAGATTGTGTCAGCCAGGTAAGTACTGACTCTCCCTTGATGCTGAAGCCTGGAAAA
CCTGCTGGGCGGGGACCATCACGGTCTCAGCTCAGGAATTAAGGACAATCGTGTAGTA
ACCATGGAGGTAGAGGCCAGAACTAGATAAGAAGGACTTCTGGGAAAATCAGATCCA
TTTCTGGAGTTCTTCCGCCAGGGTGATGGGAAATGGCACCTGGTGTACAGATCTGAGGTC
ATCAAGAACAACCTGAACCCTACATGGAAGCGTTTCTCAGTCCCCGTTTCAGCATTCTGT
GGTGGGAACCCAGCACACCCATCCAGGTGCAATGCTCCGATTATGACAGTGACGGGTCA
CATGATCTCATCGGTACCTTCCACACCAGCTTGGCCCAGCTGCAGGCAGTCCCGGCTGAG
TTTGAATGCATCCACCCTGAGAAGCAGCAGAAAAAGAAAAGCTACAAGAAGTCTGGAAGT
ATCCGTGTCAAGATTTGTCGGGTAGAAACAGAGTACTCCTTTCTGGACTATGTGATGGGA
GGCTGTGAGTCAACTTCACTGTGGGCGTGGACTTCACTGGCTCCAATGGAGACCCCTCC
TCACCTGACTCCCTACACTACCTGAGTCCAACAGGGGTCAATGAGTACCTGATGGCACTG
TGGAGTGTGGGCAGCGTGGTTCAGGACTATGACTCAGACAAGCTGTTCCCTGCATTTGGA
TTTGGGGCCAGGTTCCCCCTGACTGGCAGGTCTCGCATGAATTTGCCTTGAATTTCAAC
CCCAGTAACCCCTACTGTGACGGCATCCAGGGCATTGTGGATGCCTACCGCCAAGCCCTG
CCCCAAGTTCGCCTCTATGGCCCTACCAACTTTGCACCCATCATCAACCATGTGGCCAGG
TTTGCAGCCAGGCTGCACATCAGGGGACTGCCTCGCAATACTTCATGCTGTTGCTGCTG
ACTGATGGTGTGACGGATGTGGAAGCCACAGTGTGGGCTGTGGTGCCTGCTCGAAC
CTGCCCATGTGATGATCATTGTGGGTGTGGGTGTGCTGACTTTGAGGCCATGGAGCAG
CTGGACGCTGATGGTGGACCCCTGCATACACGTTCTGGGACGGCTGCTGCCCGCAGATT
GTGCAGTTTGTACCCTACCGCCGTTCCAGAATGCCCTCGGGAGGCATTGGCACAGACC
GTGCTCGCAGAAGTGCCACACAAGTGTCTCATACTTCAAGGGCCAGGGTTGGGCCCCG
CTCAAGCCACTTCCACCTCAGCCAAGGATCCTGCACAGGCCCCCAGGCCTAG
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**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_152925
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_152925.1</a> , <a href="#">NP_690902.1</a>
<b>RefSeq Size:</b>	1996 bp
<b>RefSeq ORF:</b>	1614 bp
<b>Locus ID:</b>	8904
<b>UniProt ID:</b>	<a href="#">Q99829</a>
<b>Cytogenetics:</b>	20q11.22
<b>Domains:</b>	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 (1) is the predominant transcript. 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.