

Product datasheet for **SC101028**

CPNE2 (NM_152727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE2 (NM_152727) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE2
Synonyms:	COPN2; CPN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152727, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACATACCCAGTGGGGTGCCCCAGCAGCGGGGCGAGCCCCATGGGCCCCAGTATTGCGTGT
GCAAGGTGGAGCTGTCACTGAGTGGCCAGAACCTACTGGACCGGGATGTTACCTCCAAGTCCGACCCCTT
CTGTGCTCTCTTTACAGAGAACAATGGCAGATGGATCGAGTACGACAGGACAGAAACCGGATCAACAAC
CTCAACCCCGCCTTCTCCAAGAAGTTCGTGCTTGACTACCACTTCGAGGAGGTACAGAAGCTCAAGTTCG
CGCTCTTTGACCAGGACAAGTCCAGTATGCGGCTGGACGAGCATGACTTCCTGGGCCAGTTCTCCTGCAG
CCTGGGCACGATCGTCTCCAGCAAGAAGATCACTAGGCCTCTGCTGCTGAATGACAAGCCTGCGGGG
AAGGGCTTGATTACGATCGCTGCCAGGAGCTGTCCGACAACCGCGTCATCACACTAAGCCTGGCGGGCA
GGAGGCTGGACAAGAAGGACCTCTTTGGGAAGTCAGACCCCTTTCTGGAGTTTTATAAGCCAGGAGACGA
TGGCAAGTGGATGCTGGTCCACAGGACTGAGGTGATCAAGTACACACTGGACCCTGTGTGAAGCCATTTC
ACAGTGCCTTGGTGTCCCTGTGTGATGGGGACATGGAGAAGCCCATCCAGGTCTGTGTCTACGACTATG
ACAATGACGGGGGCCATGACTTCATCGGCGAGTTCAGACCTCAGTGTACAGATGTGTGAGGCTCGAGA
CAGCGTCCCGCTGGAGTTCGAGTGCATCAACCCCAAGAAGCAGAGGAAGAAGAAGAACTATAAAACTCG
GGCATCATCATCTGCGATCCTGCAAGATAAACCGAGACTACTCCTTCCTTGACTACATCTGGGAGGCT
GCCAGCTCATGTTACCGTTGGAATAGACTTTACAGCCTCCAACGGGAATCCCCTCGACCCCTTCTCTTT
GCACTATATCAACCCTATGGGCACCAACGAATATCTGTGCGCCATCTGGGCTGTTGGGCAGATCATTGAG
GACTACGACAGTGATAAGATGTTTCAGCTCTGGGATTCGGGGCCAGTTACCCCGAGCTGGAAGGTCT
CCCATGAGTTTGCCATCAACTTCAACCCCAACCCCTTCTGCTCAGGTGTGGATGGTATTGCCAGGC
GTACTCAGCTTGCTGCCCCACATCCGCTTCTACGGTCTACCAATTTCTCCCCCATCGTCAACCACGTG
GCCCGTTTGCGGGCCAGGCCACACAACAGCGGACGGCCACGCACTACTCATCTCCTCATCATCAGG
ACGGGGTTCATCAGTGACATGGAGGAGACAGGCATGCCGTGGTGCAGGCTTCCAAGCTGCCCATGTCCAT
CATCATCGTGGGCGTGGCAATGCGGACTTCGCTGCCATGGAGTTCCTGGATGGGACAGCCGATGCTG
CGCTCCACACGGGGGAGGAGGCAGCCCGCATATTGTGCAGTTCGTTCCCTTTGAGAGTTCGCAACG
CAGCAAAAGAGACCTTGGCCAAAGCTGTGCTGGCGGAGCTGCCCAACAAGTTGTGCAGTATTTCAAGCA
TAAAACTGCCCCCACTCGGAGCCGCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152727 unedited

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TCAGATTTGTATACGACTCCTATAGCGGCGACGGAATTCGCACGATCCGACCCCTTCTG
TGTCTCTTTACGAGAACATGGCAGATGGATCGAGTACGACAGGACAGAAACCGGATCA
ACAACCTCAACCCCGCCTTCTCCAAGAAGTTCGTGCTTGACTACCACTTCGAGGAGGTAC
AGAAGCTCAAGTTCGCGCTCTTTGACCAGGACAAGTCCAGTATGCGGCTGGACGAGCATG
ACTTCCTGGGCCAGTTCTCCTGCAGCCTGGGCACGATCGTCTCCAGCAAGAAGATCACTA
AGCCTCTGCTGCTGCTGAATGACAAGCCTGCGGGGAAAGGCTTGATTACGATCGCTGCC
ATGATCTGTCCGACAACCGCGTCATCACACTAAGCCTGGCGGGCAAGATGCTGGACAAGA
AAGACCTCTTTGGGAAGTCAGACCCCTTTCTGGAGTTTTATAAGCCAGGATACGATGGCA
AGTGGATGCTGGTCCACAGGACTGAGGTGATCAAGTACACACTGGACCCTGTGTGAAGC
CATTACAGTGCCCTTGGTGTCCCTGTGTGATGGGGACATGGAGAATCCCATCCAGGTCA
TGTGCTACGACTATGACAATGACGGGGGCCATGACTTCATCGGCGAGTTCAGACCTCAG
TGTCACAGATGTGTGAAGCTCGAGACAGCGTCCCGCTGGAGTTCGAGTGCATCAACCCCA
AGAAGCAGAGGAAGATGAAGATCTATAAAAACTCGGGCATCATATTCTGCGATCCTGNC
AGATAAACCGAGACTACTCCTTCCTTGACTACATNCTGAGATGCTGCCAGCTCATGTTCA
CCGNTAGGATATACTTTACAGCCTCCAACGGGAATTCCTCGACCCCTTNCCTTGCACTA
TATCACCCATATGGGCACACGATATCTGTGNCCTCTAGGGCTGTGGCANATCATCAGAC
TACACAGGATAGATT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152727 unedited <pre> TGGGGGCCGAAATTTCTATGNNACCGCGCCGATTTCNANGATCGAGTTTTTTTTTTTTT TTTTTTTTATGATTGTAAAAATTTTATTCTCAATAACAATTCCTAAAATTATACAAA GTACATTCAATACTTAAGAATGGCAAAGGTGGGAGAGGAGAGAGGAAGCCAGTTTGGC CTGGAAGCATCAACAGTTGACTCCAACAAAGGAAGCCAGCTGGGCTGGAGGAAGTTGGG GGTGGAGGTCCGTTGTAAAAATAAAAAAGGGATCGGTAAAAAAGGCCACCCACAAG GAAGCAGAGTGAGCGTGCATGTTCTGGGGGAGGCGAGGCTCAGCTGACATGCTGCT GCTGGGCACTGGAGCTCAGGCGGGCTCCGAGTTGGTGGGGGCGAGTTTTTATGCTTGAA ATACTGCACAACCTGTTGGGGCAGCTCCGCCAGCACAGCTTTGGCCAAGTCTCTTTTGC TGCGTTGCGGAACCTCTCGAAAGGGAACGAACCTGCACAATATCGCGGGCTGCCTCCTCCC CGTGTGGGAGCGCAGCATGCCGCTGTCCCCCTCCAGGAACCTCATGGCAGCGAAGTCCGC ATTGCCACGCCCACCATGATGATGGACATGGGCACCTTGAAACCTGCACCACGGCATG CCGTGGCTCCTCCTGTTACTGATGACCCCTCCCGTATGATGAGGAGATTGAAATCCTG CGTGGCCCTCCCCTGTTGTGTGGCCCGGGCCCCAAACGGGCCCCGTGGGTTACGAATGG GGGGGAAAATTGTTTGGGCCCTGAGAAACCGCTTGTGGGGCCAAGCAAACCTGATCCCCC CCGGGCAATCCCCTCCCCCCCCGAAC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152727
Insert Size:	2000 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:	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_152727.2, NP_689940.1</u>
RefSeq Size:	2252 bp
RefSeq ORF:	1341 bp
Locus ID:	221184
UniProt ID:	<u>Q96FN4</u>
Cytogenetics:	16q13
Domains:	C2

Gene Summary:

Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene is one of several genes that encode a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. Sequence analysis identified multiple alternatively spliced transcript variants but their full-length natures could not be determined. [provided by RefSeq, Jul 2008]