

Product datasheet for **SC124578**

CPNE1 (NM_152931) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE1 (NM_152931) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE1
Synonyms:	copine-1; copine I; COPN1; CPN1; MGC1142; OTTHUMP00000030775; OTTHUMP00000030776
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152931, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACTGCGTGACCTTGGTTGAGCTGTCATTTCTGTGACCATCTCATTGACAAGGACATCGGCT
CCAAGTCTGACCCACTCTGCGTCCTTTTACAGGATGTGGGAGGGGGCAGCTGGGCTGAGCTTGGCCGGAC
TGAACGGGTGCGGAAGTCTCAAGCCCTGAGTTCTCAAGACTCTACAGCTTGAGTACCGCTTTGAGACA
GTCCAGAAGCTACGCTTTGGAATCTATGACATAGACAACAAGACGCCAGAGCTGAGGGATGATGACTTCC
TAGGGGGTGTGAGTGTTCCCTAGGACAGATTGTGCCAGCCAGGTAAGTACTGACTCTCCCTTGATGCTGAA
GCCTGGAAAACCTGCTGGGCGGGGGACCATCACGGTCTCAGCTCAGGAATTAAGGACAATCGTGTAGTA
ACCATGGAGGTAGAGGCCAGAACTAGATAAGAAGGACTTCTGGGAAAATCAGATCCATTTCTGGAGT
TCTTCCGCCAGGGTGTGGGAAATGGCACCTGGTGTACAGATCTGAGGTCAAGAACCACTGAACCC
TACATGGAAGCGTTTCTCAGTCCCGTTTACGATTTCTGTGGTGGGAACCCAGCACACCCATCCAGGTG
CAATGCTCCGATTATGACAGTGACGGGTACATGATCTCATCGGTACCTCCACACCAGCTTGGCCAGC
TGCAGGCAGTCCCGGCTGAGTTTGAATGCATCCACCCTGAGAAGCAGCAGAAAAAGAAAGCTACAAGAA
CTCTGAAACTATCCGTGTCAAGATTTGTGGGTAGAAAACAGAGTACTCCTTTCTGGACTATGTGATGGGA
GGCTGTCAGATCAACTTCACTGTGGGCGTGGACTTCACTGGCTCCAATGGAGACCCCTCCTCACCTGACT
CCCTACACTACCTGAGTCCAACAGGGGTCAATGAGTACCTGATGGCACTGTGGAGTGTGGGCAGCGTGGT
TCAGGACTATGACTCAGACAAGCTGTCCCTGCATTTGGATTTGGGGCCAGGTTCCCTCTGACTGGCAG
GTCTCGCATGAATTTGCCTTGAATTTCAACCCAGTAACCCCTACTGTGCAGGCATCCAGGGCATTGTGG
ATGCCTACCGCAAGCCCTGCCCAAGTTCGCCTCTATGGCCCTACCAACTTTGCACCCATCATCAACCA
TGTGGCCAGGTTTGCAGCCAGGCTGCACATCAGGGGACTGCCTCGCAATACTTCATGCTGTTGCTGCTG
ACTGATGGTGTGTGACGGATGTGGAAGCCACACGTGAGGCTGTGGTGGTGCCTCGAACCTGCCATGT
CAGTGATCATTGTGGGTGTGGGTGGTGTGACTTTGAGGCCATGGAGCAGCTGGAGCCTGATGGTGGACC
CCTGCATACACGTTCTGGCAGGCTGCTGCCCGGACATTGTGCAGTTTGTACCTACCGCCGGTCCAG
AATGCCCTCGGGAGGCATTGGCACAGACCGTGTCTGCAGAAGTGCCACACAAGTGGTCTCATACTTCA
GGGCCAGGGTTGGGCCCGCTCAAGCCACTTCCACCCTCAGCCAAGGATCTGCACAGGCCCCCGAGCC
CTAG
    
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_152931 unedited

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GTAATACGACTCACTATAGGGCGGCCGCGGTGGTGGCTGCGTTGGGCTCCGGGAAGCCGT
TCGGGCTGGGGCTGTCCGGCCGCGGGGGGAGGCACTCGCGCGGGGATGGCCCACTGCGT
GACCTTGGTTGAGCTGTCCATTTCTGTGACCATCTCATTGACAAGGACATCGGCTCCAA
GTCTGACCCACTCTGCGTCCTTTTACAGGATGTGGGAGGGGGCAGCTGGGCTGAGCTTGG
CCGGACTGAACGGGTGCGGAAGTCTCAAGCCCTGAGTTCTCAAGACTCTACAGCTTGA
GTACCGCTTTGAGACAGTCCAGAAGCTACGCTTTGGAATCTATGACATAGACAACAAGAC
GCCAGAGCTGAGGGATGATGACTTCCCTAGGGGGTGTGAGTGTTCCCTAGGACAGATTGT
GTCCAGCCAGGTAAGTACTGACTCTCCCTTGATGCTGAAGCCTGGAAAACCTGCTGGGCGGGG
GACCATCACGGTCTCAGCTCAGGAATTAAGGACAATCGTGTAGTAACCATGGAGGTAGA
GGCCAGAAACCTAGATAAGAAGGACTTCTGGGAAAATCAGATCCATTTCTGGAGTTCTT
CCGCCAGGGTGTGGGAAATGGCACCTGGTGTACAGATCTGANGTCATCAAGAACAACCT
GAACCCTACATGGAAGCGTTTCTCAGTCCCGTTTACGATTTCTGTGGTGGGAACCCAG
ACACCCATCCCAGTGCATGCTCCGATATGACAGTGACGGGTACATGATCTCATCGGTAC
CTTCCACACAGCTNGCCAGCTGCAGCAGTCCCGCTGAGTTNGATGCATCCACCTGAGAG
CACAGAAAGAAAAGCTCAGACTTGAACCTCCGGTCAGATTGCGGTAGAACAAGACTCCTC
TGACTATGGAGGA
    
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Restriction Sites: NotI-NotI

ACCN: NM_152931

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:	<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_152931.1 , NP_690908.1
RefSeq Size:	2192 bp
RefSeq ORF:	1614 bp
Locus ID:	8904
Cytogenetics:	20q11.22
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (8) uses two additional exons in its 5' UTR, compared to variant 1.</p>