

Product datasheet for **SC124577**

CPNE1 (NM_152929) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE1 (NM_152929) 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: >OriGene ORF within SC124577 sequence for NM_152929 edited (data generated by NextGen Sequencing)

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ATGGCCACTGCGTGACCTTGGTTCAGCTGTCCATTTCTGTGACCATCTCATTGACAAG
GACATCGGCTCCAAGTCTGACCCACTCTGCGTCTTTTACAGGATGTGGGAGGGGCGAGC
TGGGCTGAGCTTGGCCGACTGAACGGGTGCGGAACTGCTCAAGCCCTGAGTTCTCCAAG
ACTCTACAGCTTGAAGTACCGCTTTGAGACAGTCCAGAAGCTACGCTTTGGAATCTATGAC
ATAGACAACAAGACGCCAGAGCTGAGGGATGATGACTTCTAGGGGGTGTGAGTGTTC
CTAGGACAGATTGTGTCCAGCCAGGTAAGTACTGACTCTCCCCTTGTGCTGAAGCCTGGAAAA
CCTGCTGGGCGGGGACCATCACGGTCTCAGCTCAGGAATTAAGGACAATCGTGTAGTA
ACCATGGAGGTAGAGGCCAGAACTAGATAAGAAGGACTTCTGGGAAAATCAGATCCA
TTTCTGGAGTTCTCCGCCAGGGTGTGGGAAATGGCACCTGGTGTACAGATCTGAGGTC
ATCAAGAACAACCTGAACCCTACATGGAAGCGTTTCTCAGTCCCCGTTCCAGCATTCTGT
GGTGGAAACCCAGCACACCCATCCAGGTGCAATGCTCCGATTATGACAGTGACGGGTCA
CATGATCTCATCGGTACCTTCCACACCAGCTTGGCCAGCTGCAGGCAGTCCCGGCTGAG
TTTGAATGCATCCACCCTGAGAAGCAGCAGAAAAAGAAAAGCTACAAGAAGCTCTGGAAGT
ATCCGTGTCAAGATTTGTGCGGTAGAAAACAGAGTACTCCTTTCTGGACTATGTGATGGGA
GGCTGTGAGTCAACTTCACTGTGGGCGTGGACTTCACTGGCTCCAATGGAGACCCTCC
TCACCTGACTCCCCTACACTACCTGAGTCCAACAGGGGTCAATGAGTACCTGATGGCACTG
TGGAGTGTGGGACGCGTGGTTCAGGACTATGACTCAGACAAGCTGTTCCCTGCATTTGGA
TTTGGGGCCAGGTTCCCCTGACTGGCAGGTCTCGCATGAATTTGCCTGAATTTCAAC
CCCAGTAACCCCTACTGTGCAGGCATCCAGGGCATTGTGGATGCCTACCGCAAGCCCTG
CCCCAAGTTCGCCTCTATGGCCCTACCAACTTTGCACCCATCATCAACCATGTGGCCAGG
TTTGCAGCCAGGCTGCACATCAGGGGACTGCCCGCAATACTTATGCTGTTGCTGCTG
ACTGATGGTGTGTGACGGATGTGGAAGCCACAGGTGAGGCTGTGGTGCCTGCGTCAAC
CTGCCATGTGAGTATCATTGTGGGTGTGGTGGTGTGACTTTGAGGCCATGGAGCAG
CTGGACGCTGATGGTGGACCCCTGCATACAGTCTGGGCAGGCTGCTGCCCGGACATT
GTGCAAGTTGTACCCTACCGCGGTTCCAGAAATGCCCTCGGGAGGCATTGGCACAGACC
GTGCTCGCAGAAGTGCCACACAACCTGGTCTCATACTCAGGGCCAGGTTGGGCCCGC
CTCAAGCCACTTCCACCCTCAGCCAAGGATCCTGCACAGGCCCCCGAGCCTAG
    
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Clone variation with respect to NM_152929.1

5' Read Nucleotide Sequence: >OriGene 5' read for NM_152929 unedited

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GTCAGCATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGTGGTGGCTG
CGTTGGGCTCCGGGAAGCCGTTCCGGCTGGGGCTGTGCGCCGCGGGGCGGAGGCACTCGC
GCGGGGGATGGCCCACTGCGTGACCTTGGTTCAGCTGTCCATTTCTGTGACCATCTCAT
TGACAAGGACATCGGCTCCAAGTCTGACCCACTCTGCGTCTTTTACAGGATGTGGGAGG
GGGCAGCTGGGCTGAGCTTGGCCGACTGAACGGGTGCGGAACTGCTCAAGCCCTGAGTT
CTCCAAGACTCTACAGCTTGAAGTACCGCTTTGAGACAGTCCAGAAGCTACGCTTTGGAAT
CTATGACATAGACAACAAGACGCCAGAGCTGAGGGATGATGACTTCTAGGGGGTGTGA
GTGTTCCCTAGGACAGATTGTGTCCAGCCAGGTAAGTACTGACTCTCCCCTTGTGCTGAAGCC
TGGAAAACCTGCTGGGCGGGGACCATCACGGTCTCAGCTCAGGAATTAAGGACAATCG
TGTAAGTAACCATGGAGGTAGAGGCCAGAACTAGATAAGAAGGACTTCTGGGAAAATC
AGATCCATTTCTGGAGTTCTTCCGCCAGGGTGTGGGAAATGGCACCTGGTGTACAGATC
TGAGGTGATCAAGAACAACCTGAACCCTACATGGAAGCGTTTCTCAGTCCCCGTTTCAGCA
TTTCTGTGGTGGGAACCNAGCACACCCATCCAGGTGCAATGCTCCGATTATGACAGTGA
CGGGTACATGATCTCATCGGTACCTTCCACACCAGCTTGGCCAGCTGCCAGCAGTCCC
GCCTGAGTTTGAATGCATCCACCCTGAGAAGCAGCAGAAANAAGAAAAGCTACCAGAACTC
TGGAACTATCCGTGTCAAGATTTGC
    
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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 (6) uses an additional exon in its 5' UTR, compared to variant 1.