

Product datasheet for **SC317933**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317933 representing NM_152727.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACATACCCAGTGGGGGTGCCCCAGCAGCGGGGCGAGCCCCCATGGCCCCAGTATTGCGTG
TGCAAGGTGGAGCTGTCACTGAGTGGCCAGAACCCTACTGGACCGGGATGTTACCTCCAAGTCCGACCCC
TTCTGTGCTCCTTTACAGAGAACAATGGCAGATGGATCGAGTACGACAGGACAGAAACCGCGATCAAC
AACCTCAACCCCGCCTTCTCCAAGAAGTTCGTGCTTGACTACCACTTCGAGGAGGTACAGAAGCTCAAG
TTCGCGCTCTTTGACCAGGACAAGTCCAGTATGCGGCTGGACGAGCATGACTTCTGGGCCAGTTCTCC
TGCAGCCTGGGCACGATCGTCTCCAGCAAGAAGATCACTAGGCCTCTGCTGCTGTAATGACAAGCCT
GCGGGGAAGGGCTTGATTACGATCGTGGCCAGGAGCTGTCCGACAACCGCGTCATCAGCTAAGCCTG
GCGGGCAGGAGGTGGACAAGAAGGACCTTTTGGGAAGTCAGACCCCTTTCTGGAGTTTATAAGCCA
GGAGACGATGGCAAGTGGATGCTGGTCCACAGGACTGAGGTGATCAAGTACACACTGGACCTGTGTGG
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TACGACTATGACAATGACGGGGGCCATGACTTCATCGGCGAGTTCAGACCTCAGTGTACAGATGTGT
GAGGCTCGAGACAGCGTCCCGCTGGAGTTCGAGTGCATCAACCCCAAGAAGCAGAGGAAGAAGAAGAAC
TATAAAACTCGGGCATCATCATCTGCGATCCTGCAAGATAAACCGAGACTACTCCTTCTTGACTAC
ATCCTGGGAGGCTGCCAGCTCATGTTACCGTTGGAATAGACTTTACAGCCTCCAACGGGAATCCCTC
GACCTTCTCTTTGACTATATCAACCTATGGGCACCAACGAATATCTGTGGCCATCTGGGCTGTT
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CCAGACTGGAAGTCTCCCATGAGTTTGCCATCAACTTCAACCCCAACACCCCTTCTGCTCAGGTGTG
GATGGTATTGCCAGGCTACTCAGCTTGCTGCCCCACATCCGCTTCTACGGTCTACCAATTTCTCC
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ATCCTCTCATCATCACGACGGGTGTCAGTGACATGGAGGAGACACGGCATGCCGTGGTGCAGGCT
TCCAAGCTGCCCATGTCCATCATCATCGTGGGCGTGGGCAATGCGGACTTCGCTGCCATGGAGTTCTG
GATGGGGACAGCCGATGCTGCGCTCCACACGGGGGAGGAGGCAGCCCGCATATTGTGCAAGTTCGTT
CCCTTTGAGAGTTCGCAACGCAGCAAAAGAGACCTTGCCAAAGCTGTGCTGGCGAGCTGCCCAA
CAAGTTGTGAGTATTTCAAGCATAAAACCTGCCCCCAACCACTCGGAGCCCGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_152727

Insert Size: 1647 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).

OTI Annotation: 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.

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: [NM_152727.5](#)

RefSeq Size: 2252 bp

RefSeq ORF: 1647 bp

Locus ID: 221184

UniProt ID: [Q96FN4](#)

Cytogenetics: 16q13

Domains: C2

MW: 61.2 kDa

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]