

Product datasheet for **SC310270**

CPNE4 (NM_130808) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE4 (NM_130808) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE4
Synonyms:	COPN4; CPN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310270 representing NM_130808.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAAGAAGATGAGCAACATTTATGAGTCCGCTGCCAACACACTGGGAATCTTTAACAGCCCTGCCTG
ACCAAAGTTGAGCTGCGTGTGGCGTGCAAAGGCATTTCTGACAGAGATGCCCTTTCCAAACCAGACCCC
TGTGTCATCCTCAAGATGCAGTCTCATGGGCAGTGGTTTGAGGTTGACAGGACTGAGGTGATTCGCACC
TGCATAAACCCAGTGTACTCAAACTGTTTACTGTGGACTTTTACTTTGAGGAGGTGCAGCGCCTGCGG
TTTGAAGTCCATGACATCAGCAGCAACCACAATGGGCTGAAGGAGGCCGACTTCCTTGGTGGCATGGAG
TGCACACTTGGCCAGATTGTTTCCAGAGAAAGCTGTCCAAATCCTTGCTGAAGCATGGGAACACAGCA
GGGAAATCTTCCATCACGGTGATTGCTGAAGAATTATCTGGCAATGACGACTATGTTGAGCTTGCAATTC
AATGCACGGAAATTGGATGACAAGGATTCTTCAGTAAATCTGACCCATTTCTGGAAATTTTTCTGATG
AATGATGATGCAACTCAGCAGCTGGTGCACCGAACTGAGGTTGTGATGAATAACTTAAGCCAGCCTGG
AAATCATTCAAAGTATCTGTAAATCTCTATGCAGCGGAGACCCAGACCGCCGGCTAAAGTGCATAGTA
TGGGACTGGGACTCCAATGGCAAGCATGACTTCATTGGAGAATTCACCTCGACATTCAAGGAGATGAGA
GGAGCAATGGAAGGGAACAGGTGCAGTGGGAGTGCATCAATCCCAAGTACAAAGCCAAGAAGAAGT
TACAAGAAGTCAAGGACTGTGATTCTGAATCTGTGCAAGATTACAAGATGCATTCTTTCTTGGACTAC
ATCATGGGTGGCTGCCAAATCCAGTTTACAGTAGCTATAGATTTCACTGCCTCAAACGGGGACCCAGG
AACAGCTGTTCTTGGCACTACATCCACCCTTACCAACCAATGAGTATCTGAAAGCTTTGGTAGCTGTG
GGGAGATTTGCCAAGACTATGACAGTGACAAATGTTCCCTGCCTTTGGGTTTGGCGCCAGGATACCT
CCAGAGTACACGGTCTCTCATGACTTTGCAATCAACTTTAATGAAGACAACCCAGAATGTGCAGGAATT
CAAGGAGTTGTGAAGCCTATCAGAGCTGTCTTCTAAGCTCAACTCTACGGTCCCACCAACATTGCC
CCCATCATCCAGAAGGTTGCCAAGTCAAGCTCAGAGGAACTAACACCAAGGAGGCATCGCAATACTTC
ATCCTGCTGATCCTGACAGATGGTGTATCACAGACATGGCCGACACCCGGGAGGCCATTGTCCATGCC
TCCACCTCCCCATGTCAGTCATCATCGTGGGAGTAGGGAACGCTGACTTCAGTGACATGCAGATGCTG
GACGGTGATGATGGGATTCTGAGGTACCCAAAGGAGAGCCTGTTCTTCGAGACATCGTCCAGTTCGTG
CCCTTCAGGAACCTCAAACACGCATCTCCAGCTGCCCTGGCAAAGAGCGTGTGGCTGAAGTCCCAAAC
CAAGTTGTGGACTATTACAATGGCAAAGGAATTAACCAAAATGTTTCATCAGAAATGTATGAATCTTCC
AGAACTAGCACCAAGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_130808

Insert Size: 1674 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:	<u>NM_130808.2</u>
RefSeq Size:	4194 bp
RefSeq ORF:	1674 bp
Locus ID:	131034
UniProt ID:	<u>Q96A23</u>
Cytogenetics:	3q22.1
Domains:	C2, VWA
Protein Families:	Druggable Genome
MW:	62.4 kDa
Gene Summary:	This gene belongs to the highly conserved copine family. It encodes a calcium-dependent, phospholipid-binding protein, which may be involved in membrane trafficking, mitogenesis and development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation from a downstream start codon, compared to variant 1. It encodes isoform 2, which has a shorter N-terminus, compared to isoform 1.