

Product datasheet for **SC304870**

CPNE5 (NM_020939) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE5 (NM_020939) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE5
Synonyms:	COPN5; CPN5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304870 representing NM_020939.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCAGCCTGAGGACATGGCGTCGCTGAGCGAGTTCGACTCCTTGGCGGGCAGCATCCCGGCCACC
AAGGTGGAGATCACCGTGTCTGCAGAACCTCCTGGACAAAGACATGTTTTCCAAGTCCGACCCACTG
TGGTTCATGTATACCCAAGGGATGGAGAACAAGCAGTGGCGGGAGTTTGGGCGCACCGAAGTCATCGAC
AACACGCTCAATCCTGACTTCGTGCGCAAGTTCATTGTGGATTACTTTTTCGAGGAGAAGCAGAACCTC
CGTTTTGATCTATACGACGTTGACTCTAAGAGTCTGATTTATCCAAACACGATTTCTGGGCCAGGCC
TTCTGCACCCCTGGAGAGATTGTGGGTCCCCTGGGAGCCGCCTGAAAAAGCCCCCCTACGATAGGCGCA
TTCAGCCTGAATTCCAGGACGGGCAAACCCATGCCAGCTGTGTCAACGGTGGTGTCCAGGAAAGAAA
TGTGGCACCATCATCCTGTCCGCTGAGGAGCTCAGCAACTGTAGGGATGTGCCACCATGCAGTTCTGT
GCCAACAGCTGGACAAGAAAGATTTCTTTGGGAAATCTGACCCCTTCTTGGTATTCTACAGAAGCAAC
GAGGATGGAACGTTACCATTTGCCACAAGACCGAGGTATGAAGAACACCCTAAATCCAGTCTGGCAA
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GACTGGGATCGGGACGGCAGCCATGACTTCATTGGGGAGTTACCAACAGTTACCGGGAGCTGGCCCGT
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GTCACCCACGTGGCCAGGAATGCAGCGGCCGTGCAGGATGGCTCCAGTACTCGGTGCTGCTCATCATT
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TCCATCATTATCGTCGGCGTGGGCCAGGAGGATTCGACGCCATGGTGGAGCTGGATGGCGACGACGTG
CGGATCTCCTCCCGGGGAAGCTGGCTGAACGCGACATCGTCCAGTTGTACCCTTCCGGGACTACGTG
GACCGCACAGGCAACCACGTGCTGAGCATGGCCCGCTGGCCCGAGACGTGCTGGCAGAGATCCCTGAC
CAACTGGTGTCTACATGAAGGCACAGGGCATTGCCCCGCTCCCCACCCGACGACCAACCCACTCG
CCCTCGCAGTCCCAGCCGACGCCCCCTGCGTCCCCCTGCACACGCACATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_020939

Insert Size: 1782 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_020939.1</u>
RefSeq Size:	3339 bp
RefSeq ORF:	1782 bp
Locus ID:	57699
UniProt ID:	<u>Q9HCH3</u>
Cytogenetics:	6p21.2
MW:	65.7 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. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. More variants may exist, but their full-length natures could not be determined. [provided by RefSeq, Sep 2015] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).