

## Product datasheet for **SC306632**

### CPNE7 (NM\_153636) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE7 (NM_153636) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC306632 representing NM\_153636.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCGCGGGCTCGGAGCGGGGGCGGGCAACCCCGGGGTTTGCCTCGCCCTGCGCCTCGAAG
GTGGAGCTGCGGCTCAGCTGCCGGCACCTGCTGGACCGGACCCGCTCACCAAGTCCGACCCAGCGTG
GGTTGCTGCAGCAGGCCAGGGCCAGTGGGTGCAGGTGGGCAGAACCGAGGTGGTCCGGAGCAGCCTG
CATCCCGTGTCTCCAAGGTCTTACGGTGGACTACTACTTCGAGGAGGTGCAGAGGCTGCGCTTTGAG
GTGTACGACACGCATGGGCCAGCGGCTTCACTGTGTCAGGAGGACGATTTCTGGGGGCATGGAGTGC
ACCCTGGGGCAGATTGTGGCCAGAAGAAGGTGACCCGCCGCTGCTGCTCAAGTTTGGCAGGAACGCT
GGCAAGTCCACCATCACGGTATCGCCGAGGACATCTCGGGGAACAACGGCTACGTGGAGCTCTCCTTC
CGGGCCAGGAAGCTGGACGACAAGGACCTTTCAGCAAGTCCGACCCCTTCTGGAGCTCTACAGGGTC
AACGACGACCAGGGCTTGCAGCTGGTGTACAGGACGGAGGTGGTGAAGAACAACCTGAACCCGGTGTGG
GAGGCCTTCAAAGTCTCTGAGTTCCTTGCAGCTGCGAGGAGACAAGCCTTAAAGTGCCTGGTC
TGGGATTACGACTCTCGAGGAAAGCAGCACTTCATCGGAGAATTCCTACCACCTTCGAGGAGATGCAG
AAGGCCTTTGAGGAGGGGAGGCCAGTGGGACTGTGTGAACCCAAATACAAGCAGAAGAGACGCACT
TATAAGAACTCAGGAGTGGTCTGCTGGCTGACCTCAAGTTCCACAGGGTGTACTCCTTCTGGACTAT
ATCATGGGCGGCTGCCAGATCCACTTACCCTGGCCATTGACTTACCCTCCAAATGGAGACCCGCGG
AACAGTCTCCTCCGACTACATCAACCCCTACCAGCCGAACGAGTACCTGAAGGCACTGGTGTCCGTG
GGCAGATCTGCCAGGACTATGACAGTGACAAGAGTTTTCCGCTTTGGGTTTGGAGCCCGGATCCCT
CCCAAGTATGAGGTGTCCATGACTTTGCCATCAATTTCAACCTGAGGACGATGAGTGTGAAGGCATC
CAGGCGTGGTGGAGGCCCTACCAGAATGCCTGCCAGGGTCCAGCTCTACGGCCCAACCAACGTGGCG
CCCATCATCTCCAAGGTGGCACGCGTGGCGCGGCCGAGGAGAGCACCGGAAAGCCTCTCAATACTAC
ATCCTGTGATCCTGACGACGCGTGGTACCACATGGCCGACACACGGGAGGCCATTGTGCGTGCC
TCACGCTGCCATGTCCATCATCATCGTGGCGTGGCAACGCCGACTTACCAGCATGCAGGTCCTG
GACGGCGACGACGGCTCCTGCGCTCCCAACGGGTGAGCCCGCTCCGGGACATCGTACAGTTCGTG
CCCTTCCGGGAGCTCAAGAACGCATCCCTGCGGCGTGGCCAAGTGCCTGCTGGCCGAGGTCCCGAAG
CAGGTGGTGGAGTACTACAGCCACAGAGGCTGCCCCGAGAAGCCTGGGTGTCCCTGCCGAGAGGCC
AGCCAGGCTGCACCCTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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- Restriction Sites:** Sgfl-RsrII
- Plasmid Map:**
- ACCN:** NM\_153636
- Insert Size:** 1677 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\\_153636.2](#)

**RefSeq Size:** 2449 bp

**RefSeq ORF:** 1677 bp

**Locus ID:** 27132

**UniProt ID:** [Q9UBL6](#)

**Cytogenetics:** 16q24.3

**MW:** 61.9 kDa

**Gene Summary:** This gene encodes a member of the copine family, which is composed of calcium-dependent membrane-binding proteins. The gene product contains two N-terminal C2 domains and one von Willebrand factor A domain. The encoded protein may be involved in membrane trafficking. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]

Transcript Variant: This variant (1) lacks an alternate in-frame segment compared to variant 2. The resulting isoform (a) has the same N- and C-termini but is shorter compared to isoform b.