

Product datasheet for **SC304102**

CPNE7 (NM_014427) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE7 (NM_014427) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

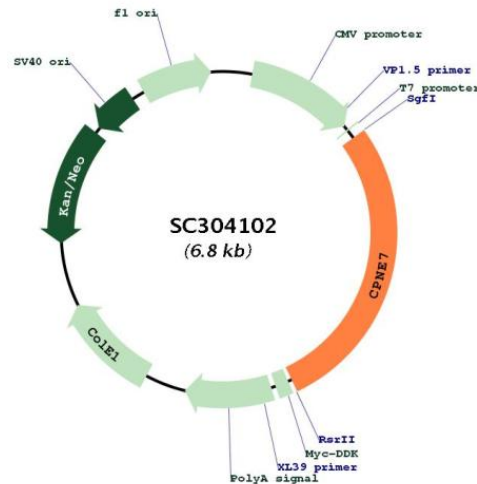


[View online »](#)

Fully Sequenced ORF: >SC304102 representing NM_014427.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCGCGGGCTCGGAGCGGGGCGGGCAACCCCGGGGTTTCCCGCGCCCTGCGCCTCGAAG
GTGGAGCTGCGGCTCAGCTGCCGACCTGCTGGACCGGACCCGCTACCAAGTCCGACCCAGCGTG
GGTTGCTGCAGCAGGCCAGGGCCAGTGGGTGCAGGTGGGCAGAACCAGGTGGTCCGGAGCAGCCTG
CATCCCGTGTCTCCAAGGTCTTACGGTGGACTACTACTTCGAGGAGGTGCAGAGGCTGCGCTTTGAG
GTGTACGACACGCATGGGCCAGCGGCTTCACTGTCAGGAGGACGATTTCTGGGGGCATGGAGTGC
ACCCTGGGGCAGCCAGCCAAAAGTGGCTTCTGCAAGTCGTGATGAGAGTGTCTGTTGATGTGCTGGGC
CCTGCTGGACACTGCGCTAAGCACTTCTGTGCTGCACGGAATCCTCACACCTTCCAGGACGGGTCTT
TCTTTTTATTGAGGTATGATGACCTCTGCCTCCCTGGGCGACTGCTGGCGCCGTGAGGTGGTGGACG
TGCAGGGTGGCCACACGAGGGATGGCAGATTGTGGCCAGAAGAAGGTGACCCGCCGCTGCTGCTC
AAGTTTGGCAGGAACGCTGGCAAGTCCACCATCACGGTATCGCCGAGGACATCTCGGGGAACAACGGC
TAGCTGGAGCTCTCCTTCCGGGCCAGGAAGCTGGACGACAAGGACCTCTTCAGCAAGTCCGACCCCTT
CTGGAGCTCTACAGGTCACGACGACAGGGCTTGCAGCTGGTGTACAGGACGGAGGTGGTGAAGAAC
AACCTGAACCCGGTGTGGGAGGCCCTTCAAAGTCTCTCTGAGTTCCCTCTGCAGCTGCGAGGAGACAAG
CCTCTAAAGTGCCTGGTCTGGGATTACGACTCTCGAGGAAAGCACGACTTTCATCGGAGAATTCCTACC
ACCTTCGAGGAGATGCAGAAGGCCCTTGGAGAGGGGCAGGCCAGTGGGACTGTGTGAACCCAAATAC
AAGCAGAAGAGACGCAGTTATAAGAACTCAGGAGTGGTCGTCTGGCTGACCTCAAGTCCACAGGGTG
TACTCCTTCTGGACTATATCATGGGCGGCTGCCAGATCCACTTACCCGTGGCCATTGACTTCACCGCC
TCCAATGGAGACCCGCGGAACAGCTGCTCCCTGCACTACATCAACCCCTACCAGCCGAACGAGTACCTG
AAGGCACTGGTGTCCGTGGGCGAGATCTGCCAGGACTATGACAGTGACAAGAGGTTTTCCGCTTTGGGG
TTTGGAGCCCGGATCCCTCCCAAGTATGAGGTGTCCCATGACTTTGCCATCAATTTCAACCTGAGGAC
GATGAGTGTGAAGGCATCCAGGGCGTGGTGGAGGCCTACCAGAAGTGCCTGCCAGGGTCCAGCTTAC
GGCCCCACCAACGTGGCGCCATCATCTCCAAGGTGGCACGCGTGGCGGCGCCGAGGAGACACCGGG
AAAGCCTCTCAACTACTACATCCTGCTGATCCTGACGGACGGCGTGGTACCAGATGGCCGACACACGG
GAGGCCATTGTGCGTGCCTCACGCTGCCATGTCCATCATCATCGTGGGCGTGGCAACGCCGACTTC
ACCGACATGCAGTCTTGACGGCGACGACGGCGTCTGCGCTCCACGGGGTGGCCAGTGGCTCCGG
GACATCGTACAGTTCGTGCCCTTCCGGGAGCTCAAGAACGCATCCCTGCGGCGTGGCCAGTGGGTG
CTGGCCGAGGTCCGAAGCAGGTGGTGGAGTACTACAGCCACAGAGGCCCTGCCCCGAGAAGCCTGGGT
GTCCCTGCCGGAGAGGCCAGCCAGGCTGCACACCGTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAAGTTTAA
```

Restriction Sites: SgfI-RsrII

Plasmid Map:


ACCN: NM_014427

Insert Size: 1902 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_014427.4](#)

RefSeq Size: 2674 bp

RefSeq ORF: 1902 bp

Locus ID: 27132

UniProt ID: [Q9UBL6](#)

Cytogenetics: 16q24.3

MW: 70.3 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 (2) represents the longer transcript and encodes the longer isoform (b).