

Product datasheet for **RC212576**

CPNE7 (NM_014427) Human Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RC212576 representing NM_014427
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGCGGGCTCGGAGCGGGGCGGGCAACCCCGGGGTTTGCCTCGCCCTGCGCCTCGAAGG
 TGGAGCTGCGGCTCAGCTGCCGGCACCTGCTGGACCGCGACCCGCTCACCAAGTCCGACCCAGCGTGGC
 GTTGCTGCAGCAGGCGCAGGGCCAGTGGGTGCAGGTGGGAGGAGGAGGTTGGTCCGGAGCAGCCTGCAT
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 ACGACACGCATGGGCCAGCGGCTTTCAGCTGTCAGGAGGACGATTTCTGGGGGGCATGGAGTGCACCT
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 TGCACACCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212576 representing NM_014427
Red=Cloning site Green=Tags(s)

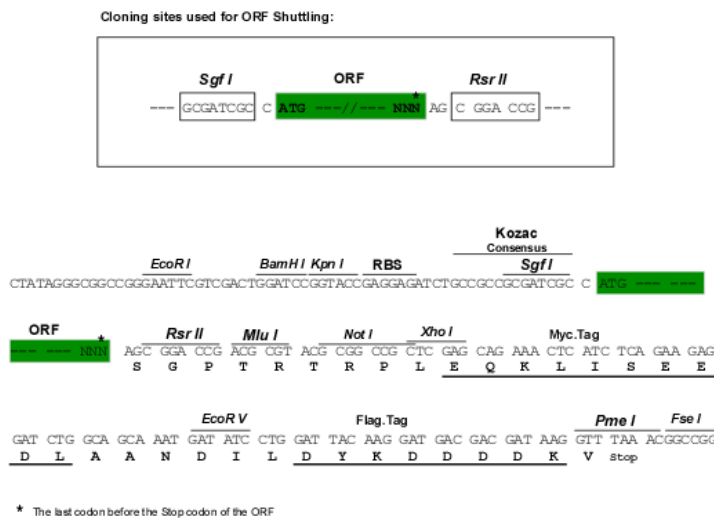
MSAGSERGAAATPGGLPAPCASKVELRLSCRHLLDRDPLTKSDPSVALLQQAQQWVQVGRTEVVRSSLH
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 SYKNSGVVVLADLKFHRVYSFLDYIMGGCQIHFTVAIDFTASNGDPRNSCSLHYINPYQPNEYLKALVSV
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 IISKVARVAAAEESTGKASQYYILLILTDGVVTDMAITREIVRASRLPMSIIIVGVGNADFDMQVLDG
 DDGVLRSRPGEPALRDIVQFVFPRELKNASPAALAKCVLAEVVKQVVEYYSHRGLPPRSLGVPAGEASPG
 CTP

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8070_f07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_014427

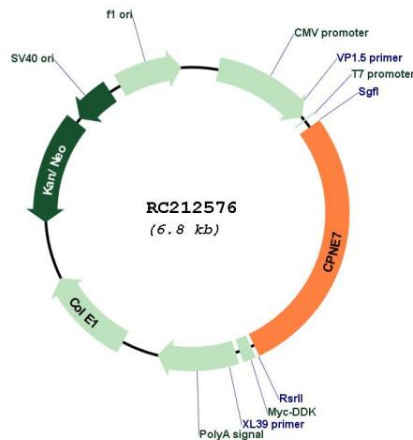
ORF Size: 1899 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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_014427.5](#)
- RefSeq Size:** 2657 bp
- RefSeq ORF:** 1902 bp
- Locus ID:** 27132
- UniProt ID:** [Q9UBL6](#)
- Cytogenetics:** 16q24.3
- MW:** 70.1 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]

Product images:



Circular map for RC212576