

Product datasheet for **RC219974**

CPNE9 (NM_153635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE9 (NM_153635) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPNE9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC219974 representing NM_153635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCTCGGCGGAGCCTCCGAGCGCAGCGTCCCGGCCACCAAGATTGAAATTACCGTGTCTGCCGGA
 ACCTGCTAGACCTTGATACCTTCTCCAAGTCCGACCCCATGGTGGTGCTTTACACGCAGAGCCGGGCCAG
 CCAGGAGTGCGGGGAGTTCGACGACGACGAGGTGATTGATAACACGCTGAACCCAGACTTCGTGCGCAAA
 TTCGTCCTCGACTATTTCTTTGAGGAAAAGCAAAATCTGCGCTTCGATGTGTACAACGTGGACTCCAAAA
 CCAACTCTCAAACCGAAGGATTTCTGGGACAAGCGTTCCTGGCCCTGGGAGAGGTGATTGGAGGCCA
 GGGCAGCCGAGTAGAGCGAACCCCTACGGGTGTACCAGGCAAGAAGTGTGGGACCATATTGCTGACTGCA
 GAAGAGCTTAGCAATTGTCGGGACATTGCCACCATGCAGCTGTGTCAAACAAGCTGGACAAGAAGGACT
 TCTTTGGGAAATCAGACCCCTTCTTGTGTTCTACAGGAGCAATGAGGATGGCACGTTCCACATCTGCCA
 CAAGACAGAGGTTGTGAAAACACGCTGAATCCTGTGTGGCAGCCCTTCAGCATCCCTGTGCGGGCTCTG
 TGAATGGAGACTATGACAGAACGGTGAAGATTGATGTGTACGACTGGGACCGGGATGGAAGCCACGATT
 TCATTGGTGAGTTCACCACCAGCTACCGGGAGCTGAGCAAGGCCAGAACCAGTTCACAGTATATGAGGT
 TCTTAACCTCGGAAGAAATGTAAGAAGAAGAAATATGTCAACTCAGAACTGTGACGCTGCTCTCCTTC
 TCTGTGGACTCTGAATTCACCTTTTGTGATTACATCAAGGGAGGGACACAGCTGAACTTCACAGTAGCCA
 TTGACTTCACGGCTTCCAATGGGAATCCTCTGCAGCCTACCTCCCTGCACTACATGAGTCCCTACCAGCT
 CAGCGCTATGCCATGGCCCTCAAGGCAGTGGGAGAGATCATCCAGGACTATGACAGTGATAAGCTCTTC
 CCAGCTTATGGCTTTGGGGCCAAGCTGCCCCAGAGGGACGGATCTCCACCAGTTCCTCCCTGAACAACA
 ATGATGAGGACCCCAACTGTGCGGGCATCGAGGTGTGCTGGAGAGCTATTTCCAGAGCTGCGCACAGT
 GCAGCTCTATGGGCCACCTACTTTGCTCCTGTATCAACCAAGTGGCCAGGGCTGCAGCCAAGATCTCT
 GATGGCTCCAGTACTATGTTCTGCTCATCATCACTGATGGGTGATCTCTGACATGACGACAGCAAGG
 AGGCCATCGTCAGCGCCTCCTCATTGCCATGTCTATCATTATCGTCGGTGTAGGACCAGCCATGTTTGA
 GGCAATGGAAGAGTTGGACGGTATGATGTGCGCGTGTCTCTAGGGGACGCTACGCAGAGCGGGACATC
 GTTCAGTTCGTCCTCCATTCCGAGACTATGTTGACCGGTGGGGAACAGGTGTTGAGCATGGCCCGACTGG
 CCAAGGATGTGCTGGCCGAGATCCCGGAGCAGCTGCTGTCTATATGCGCACCAGAGACATCCAGCTCG
 GCCCCACCCCTGCCAACCCAGCCGATCCAGCTCCAGAGCAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219974 representing NM_153635
 Red=Cloning site Green=Tags(s)

MSLGGASERSVPATKIEITVSCRNLDDLDTFSKSDPMVLYTQSRASQEWREFGRTEVIDNTLNPDFVRK
 FVLDYFFEEKQNLRFDVYNVDSKTNISKPKDFLGQAFALGEVIGGQGSRVERTLTGVPGKKCGTILLTA
 EELSNCRDIAQMQLCANKLDKDFFGKSDPFLVFYRSNEDGFTTICHTKEVVKNTLNPVWQPFISIPVRAL
 CNGDYDRTVKIDVYDWRDGDGSHDFIGFETTSYREL SKAQNQFTVYEVLNPRKCKKKKYVNSGVTLLSF
 SVDSEFTFVDYIKGGTQLNFTVAIDFTASNGNPLQPTSLHYMSPYQLSAYAMALKAVGEI IQDYDSDKLF
 PAYGFGAKLPPEGRISHQFPLNNDEDPNCAGIEGVLESYFQSLRTVQLYGPTYFAPVINQVARAAAKIS
 DGSQYVLLIITDGVISDMTQTKEAIVSASSLPMSIIVGVGPAMFEAMEELDGDDVRVSSRGRYAERDI
 VQFVPFRDYVDRSGNQVLSMARLAKDVLAEIPEQLLSYMRTRDIQPRPPPPANPSPIPAPEQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8101_b08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_153635

ORF Size: 1659 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_153635.3](#)

RefSeq Size: 2066 bp

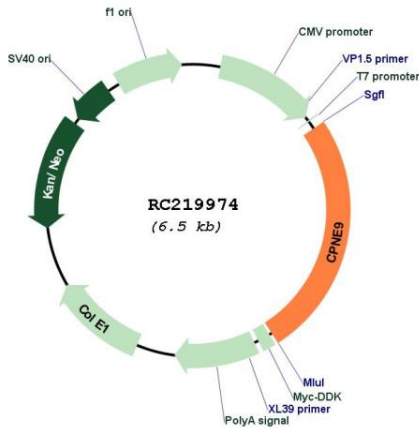
RefSeq ORF: 1662 bp

Locus ID: 151835

UniProt ID: [Q8IYJ1](#)

Cytogenetics: 3p25.3
MW: 61.9 kDa
Gene Summary: Probable calcium-dependent phospholipid-binding protein that may play a role in calcium-mediated intracellular processes (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:23999003).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC219974