

Product datasheet for **RC239083**

CPNE6 (NM_001280558) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE6 (NM_001280558) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPNE6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC239083 representing NM_001280558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTTTTAAGGAGCACGGAAGATCACATCCTGCTGTATTCCGGGCCCATAAATAGCAGCAGAGCCG
 GAGCTGGAGCCGCGCCAGCGGCTGGAGCAGCAAGGGAGTCAGGGCCAGGGCCAGAGAGCCGAGAGAGG
 AGCCCCGACCGAGAGCCAGTGACATGTCGGACCCTGAGATGGGATGGGTGCTGAGCCCCAACCATG
 ACGCTGGGGGCTCTCGGGTGGAGCTGCGGGTGTCTGCCATGGCCTCTGGACCGGGACACACTCACCA
 AACCCACCCCTGCGTGTCTCAAGCTCTACTCTGATGAGCAGTGGGTGGAGGTAGAGCGCACAGAGGT
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 CCCCTGCAGTTCCACGTGTTGATGCCGAGGACGGAGCCACCAGCCCCGAAATGATACCTTCTCGGCT
 CTACGGAGTGCACCTTGGCCAGATTGTGTCAAAACCAAGGTCCTAAGCCATTATTGCTGAAGAATGG
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 ATAAGACCAACGAGGACCAAAAGTGATCAGCTGGTCTGGAGAACTGAGGTGGTGAAGAACAACCTGAACCC
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 GGATGGCGACGAGGCCCTTGGCTGCCCCGAGGGGTGCTGCAGCCGAGACATTGTCCAGTTCGTG
 CCCTTCGAGACTTCAAGGATGCTGCCCCCTCTGCACTGCCAAGTGTGCTGCTGAGGTGCCACGGC
 AGGTGGTGGAGTACTACGCCAGCCAGGGCATCAGCCCTGGGGCTCCAGGCCCTGCACACTGGCTACGAC
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

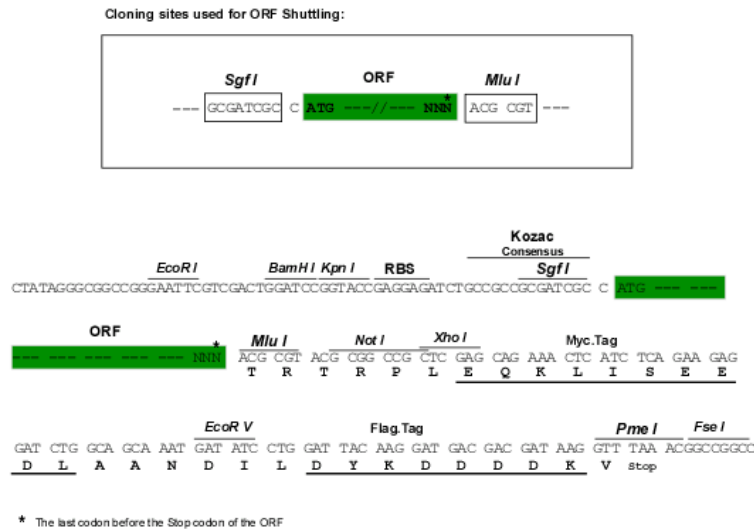
>RC239083 representing NM_001280558
 Red=Cloning site Green=Tags(s)

MAFKEHGKITSCCIPGPINSSRAGAGASGWSSKGVRRARAREPERGAPDREPSDMSDPEMGWVPEPPTM
 TLGASRVELRVSCHLLDRDTLTKPHPCVLLKLYSDEQWVEVERTEVLRSCSSPVFSRVLALEYFFEEKQ
 PLQFHVDAEDGATSPRNDTFLGSTECTLGQIVSQTKVTKPLLLKNGKTAGKSTITIVAEVSGTNDYVQ
 LTFRAYKLDNKDLFSKSDPFMEIYKTNEDQSDQLVWRTEVVKNLNPWEFRLSLHSLCSDVHRPLKF
 LVYDYDSSGKHDFIGFTSTFQEMQEGTANPGQEMQWDCINPKYRDKKKNYKSSGTVVLAQCTVEKVHTF
 LDYIMGGCQISFTVAIDFTASNGDPRSSQSLHCLSPRQPNHYLQALRAVGGICQDYDSDKRFPAGFGAR
 IPPNFEVSHDFAINFDPENPECEEISGVIASYRRCLPQIQLYGPTNVAPIINRVAEPAQREQSTGQATKY
 SVLLVLTDGVVSDMAETRTAIVRASRLPMSIIIVGVGNADFSDMRLLDGGDGPLRCPRGVPAARDIVQFV
 PFRDFKDAAPSALAKCVLAEPVQVVEYYASQGISPGAPRPCTLATTPSPSP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001280558

ORF Size: 1836 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001280558.1](#), [NP_001267487.1](#)

RefSeq Size: 2247 bp

RefSeq ORF: 1839 bp

Locus ID: 9362

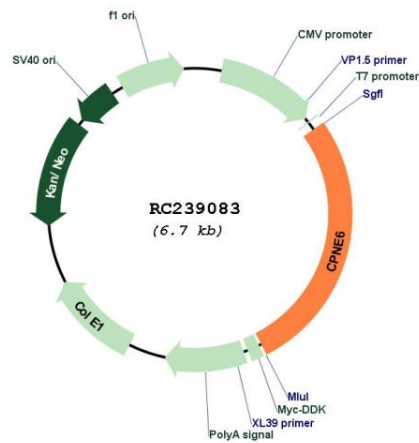
UniProt ID: O95741

Cytogenetics: 14q11.2

MW: 68.1 kDa

Gene Summary: This gene encodes a member of the copine family. Members of this family are calcium-dependent, phospholipid-binding proteins with C2 domains, two calcium- and phospholipid-binding domains. Through their domain structure and lipid binding capabilities, these proteins may play a role in membrane trafficking. This protein is thought to be brain-specific and has a domain structure of two N-terminal C2 domains and one von Willebrand factor A domain. It may have a role in synaptic plasticity. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC239083