

Product datasheet for **RG209574**

CPNE3 (NM_003909) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CPNE3
Synonyms:	CPN3; PRO1071
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG209574 representing NM_003909
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGCCAGTGTGTCAAAAGGTGGCGCTGAATGTTTCCTGTGCCAATCTTTGGATAAAGATATAG
 GGTCAAAGTCAGACCCTTTATGTGTGTTGTTTTGAATACAAGTGGTCAACAGTGGTATGAGGTTGAGCG
 CACAGAAAGGATTAAGAATTGCTTGAATCCCCAATTTTCCAAGACATTTATTATTGATTACTACTTTGAA
 GTGGTTCAGAAATTGAAATTTGGGGTTTATGACATCGACAACAACTATTGAGCTGAGTGATGATGACT
 TCTTAGGGGAATGTGAATGTACCCTTGGACAAATTGTTCCAGCAAGAAGCTAACTCGACCACTGGTGAT
 GAAAACTGGCAGACCTGCAGGAAAAGGGAGCATTACGATTTTCAGCTGAAGAAAATAAAGATAATAGAGTG
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 AATTCCACAAGCAGACATCTGATGGAAGTGGCTAATGGTTCATCGACAGAGGTTGTTAAAAACAATT
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 GGATGGTGTGTTGGAAGTCTCCGCTCCCCATTGGCGAAGTGGCCATCAGAGATATTGTCCAGTTTGTG
 CCTTTTCAGACAGTTCCAGAATGCTCCAAAAGAAGCACTTGCTCAGTGTGCTTGGCAGAGATCCCCAGC
 AGGTGGTGGCTACTTCAATACATACAACTCCTTCTCCCAAGAACCCAGCCACGAAACAACAGAAGCA
 G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

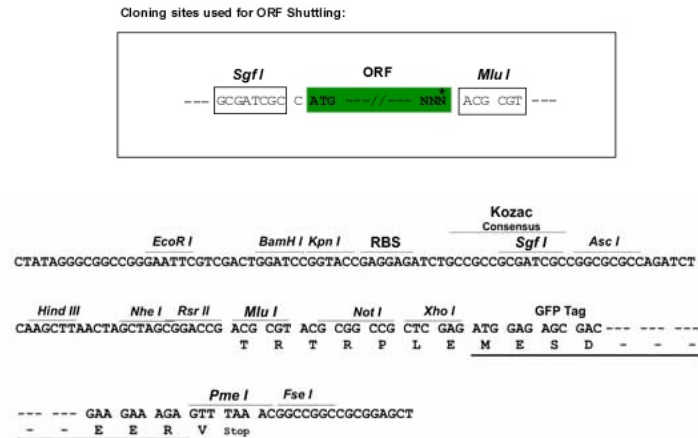
Protein Sequence: >RG209574 representing NM_003909
 Red=Cloning site Green=Tags(s)

MAAQCVTKVALNVSCANLLDKDIGSKSDPLCVLFLNTSGQQWYEVERTERIKNCLNPQFSKTFIIDYYFE
 VVQKLKFGVYDIDNKTIELSDDDFLGECECTLGQIVSSKKLTRPLVMKTRPAGKGSITISAEIKNRV
 VLFEMEARKLDNKDLFGKSDPYLEFHKQTSNGNLMVHRTEVVKNLNPVWRPFKISLNSLCYGDMDKTI
 KVECYYDNDGSHDLIGTFQTTMTKLKEASRSPVEFECINEKKRQKKKSYKNSGVISVKQCEITVECTF
 LDYIMGGCQLNFTVGVDFTSGNDPRSPSLHYISPNGVNEYLTALWSVGLVIQDYDADKMFPAFGGAQ
 IPPQWQVSHEFFPMNPNPNYCNGIQQGIVEAYRSCLPQIKLYGPTNFSPIINHVARFAAAATQQQTASQY
 FVLLIITDGVITDLDETRQAIVNASRLPMSIIIVGVGGADFSAMEFLDGDGGSRLSPLGEVAIRDIVQFV
 PFRQFQNPKEALAQCVLAEIPQVVGYFNTYKLLPPKNPATKQKQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003909

ORF Size: 1611 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:

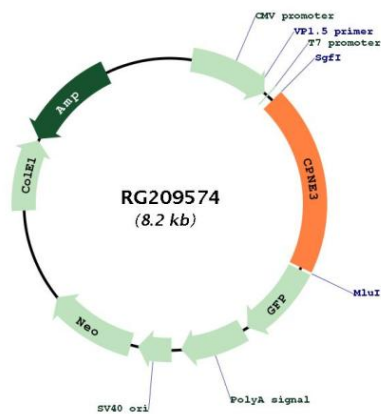
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_003909.5](#)

RefSeq Size: 4868 bp

RefSeq ORF:	1614 bp
Locus ID:	8895
UniProt ID:	O75131
Cytogenetics:	8q21.3
Domains:	C2, VWA
Gene Summary:	Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene encodes a protein which contains two type II C2 domains in the amino-terminus and an A domain-like sequence in the carboxy-terminus. The A domain mediates interactions between integrins and extracellular ligands. [provided by RefSeq, Aug 2008]

Product images:

Circular map for RG209574