

Product datasheet for **RR204822**

Cpne3 (NM_001107917) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne3 (NM_001107917) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpne3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR204822 representing NM_001107917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGCGCAGTGCCTCACGAAGTGGAGCTAAATATTTCTGTAAACAGCCTTTTGGACTGATCTAA
 CGTCAAAGTCCGACCCTTATGTGTGTTGTTTTGAACACCAGTGGTCAACAGTGGTATGAGGTTGAACG
 CACAGAAAGGATTAAGAATTCCTTGAATCCCAAATTTTCTAAGACATTTGTCATTGATTACTACTTTGAA
 GTGGTTACAGAAATGAAGTTTGAATCTATGATATTGACAACAAAATATCGAGCTGAGTGATGATGACT
 TCTTGGGAGAATGTGAAGTACCCTTGGACAAATGTTTCCAGTAAGAAGCTGACTCGACCACTGGTGCT
 CAAAAATGGCAAACCTGCAGGGCAAGGGAGTATTACGATTTTAGCAGAAGAAATAAAGGATAACAGAGTG
 GACTGTTTGAATGGAAGCCAGAAAATGGATAAATAAGGATCTCTTGGGAAGTCAGATCCATACCTGG
 AGTTTACAAGCAGACATCAGATGGCCACTGGCTGATGGTTACCAGAACAGAGGTTATAAAAAACAACCT
 GAATCCCATGTGAAGCCTTTAAAATCTCTCAACTCTCTGTGCTATGGAGATATGGACAAGACCATT
 AAGGTAGAGTGTTATGATTATGACAATGATGGATCACATGATCTCATTGGAACATTTCAAACCACCATGA
 CAAAACCTCAAAGAAGCCTCCAGGAGCTCACCTGTTGAATTTGAATGCATAAATGAAAAAAGAGACAGAA
 GAAAAAAGCTACAAGAATTCAGGTGTTATCGTTGTAAGCATTGTGAGATTACTGTAGAATGCACATTT
 CTTGACTACATCATGGGAGGGTCCAGCTGAATTTACTGTGGGAGTGGACTTCACTGGCTCCAACGGTG
 ACCCCAGTTCTCCAGACTCCCTGCATTACATCAGCCAAATGGTGTTAATGAGTATCTGACTGCCATCTG
 GTCTGTGGGATTGGTAGTCAAGATTATGATGCTGATAAAATGTTCCAGCTTTTGGCTTTGGAGCTCAG
 GTTCTCCTCAGTGGCAGGTGTCTCATGAATTTCCAATGAACCTTAACCCCTCGAACCCCTACTGTAATG
 GGATCCAAGGCATTATAGAGGCTTATCGGACCTGCCTTCTCAGATAAGACTCTATGGACCAACTAATTT
 TTCTCCGATTATAAATCATGTGGCCAGGTTTCCGCTGCAGCCACGCAACAGCAGACAGTTCTCAGTAC
 TTTGTGCTCCTCATCATCAGGATGGCGTGATCACAGACCTTGATCAAACAGACAGGCAATCGTCAGTG
 CGGCCAAGCTGCCATGTGATCATCATTGTGGGGTTGGGGGAGCTGACTTCAGTGCCATGGAATTTCT
 AGACGGTGACAATGGAAGCCTCCGCGCCCCATCCGGGAGGTGGCCATAAGAGATATTGTTCAAGTTGTG
 CCTTTCAGACAGTTCAGAAATGCTCAAAGGAAGCACTTGCAGTGTGCTTGGCAGAGATCCCCCAGC
 AGGTGGTGGGTTACTTCAACACATACAGACTCCTTCTCCAAAAACCCAGCTGTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204822 representing NM_001107917
 Red=Cloning site Green=Tags(s)

MAAQCVTKVELNISCNSLLDLDLTSKSDPLCVLFLNTSGQWYEVERTERIKNSLNPKFSKTFVIDYYFE
 VVQKLKFGIYDIDNKTIELSDDFLGECEVTLGQIVSSKKLTRPLVLKNGKPAGQGSITILAEIKNRNV
 VLFEMEARKLDNKDLFGKSDPYLEFHKQTSBGHWMVHRTEVIKNNLNPMWPKFKISLNSLCYGDMDKTI
 KVECYDYDNDGSHDLIGTFQTTMTKLKEASRSPVEFECINEKKRQKKKSYKNSGIVVVKHCEITVECTF
 LDYIMGGCQLNFTVGVDFTGSDPSSPDSLHYISPNGVNEYLTAIWSVGLVVQDYDADKMFPAFGFAQ
 VPPQWQVSHEFPMNFNPNPYCNGIQGIIIEAYRTCLPQIRLYGPTNFSPIINHVARFAAAATQQQTASQY
 FVLLIITDGVITDLDQTRQAIIVSAAKLPMSEIIIVGVGGADFSAEFLDGDNGSLRAPSGEVAIRDIVQFV
 PFRQFQNAPEALAQCVLAEIPQVVGVFNTYRLLPPKNPAVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107917

ORF Size: 1599 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_001107917.2](#), [NP_001101387.2](#)

RefSeq Size: 1602 bp

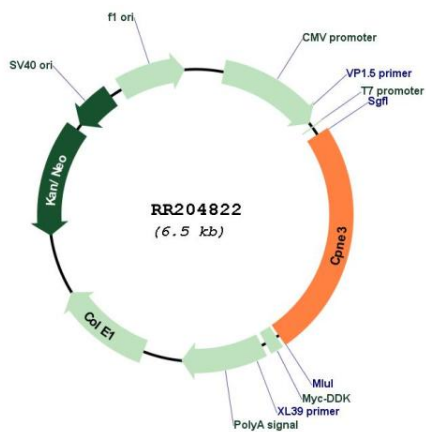
RefSeq ORF: 1602 bp

Locus ID: 313087

Cytogenetics: 5q13

MW: 59.7 kDa

Product images:



Circular map for RR204822