

Product datasheet for **RN207393**

Cnp (NM_012809) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnp (NM_012809) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnp
Synonyms:	Cnp1; CNPF; CNPI; CNPII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207393 representing NM_012809
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCACAAGCTTTGCCGAAAAAGCCACACATTCTGCCAAGATCTTCTTCAGAAAAATGTCATCCT
 CAGGAGCTAAGGACAAGCCAGAGCTGCAGTTCCTTTCCCTTCAAGATGAGGACACGGTGGCTACGCTGCA
 CGAGTGCAAGACGCTGTTTCATCCTGCGTGGCTGCCGGGAGCGCAAGTCCACTCTGGCTCGGCTCATC
 GTGGAGAAGTACCACAACGGCACCAAGATGGTGTCTGCTGATGCTTACAAGATCATTCTGGCTCTCGGG
 CAGACTTCTCCGAGGAGTACAAGCGTCTGGACGAGGACCTGGCTGGCTACTGCCGCGGGACATCAGGGT
 TCTTGTGCTCGATGACACCAACCATGAGCGGGAACGGCTGGACCAGCTTTTTGAAATGGCAGACCAGTAC
 CAGTACCAGGTGGTGTGGTGGAGCCCAAGACGGCGTGGCGACTAGACTGTGCCAGCTCAAGGAGAAGA
 ACCAATGGCAGCTGTCGCTCGATGACCTGAAGAAGCTGAAGCCCGGGCTGGAGAAGGACTTCTGCCACT
 TTACTTTGGCTGGTTCTGACCAAAAAGAGTTCGAGACCCTCCGAAAAGCCGGCCAGGTCTTTCTGGAG
 GAGCTGGGAAATCACAAGGCTTTCAAGAAAGAGCTTCGACACTTCATTTCTGGGGATGAACCAAGGAGA
 AGCTTGACCTGGTCAGCTATTTGGCAAGAGACCTCCAGGCGTGTGCTGACTGTACAACCAAAATCTGTGA
 CTACGGGAAGGCCACCGGGGAGAAATATGCCCAACAGGATGTGGTGAAGGAGATCTTACGGCAAGGCC
 TTCAAAGTGTCCATCTCTGCCCTTTTGTGACACCAAGACAGCTGGGGCCAGGTGGTGTAAATGAGC
 AGGAGCTGCAGTTGTGGCCAAGTACCTGGACAAGCCCTCATCTCCGAGAGCCTGCCCCAGGGAGCCG
 AGCTCACGTACCCTAGGCTGTGACGCCGACGTGCAGCCAGTGCAGACAGGCCTTGACCTTTAGAGATT
 TTACAGCAGGTGAAGGGGGCAGCCAAGGTGAGGAGGTGGGTGAGCTCCCCGGGCAAGCTCTATTCTT
 TGGGCAAAGGGCGTTGGATGCTGAGCTTGGCGAAGAAGATGGAAGTCAAGGCCATCTTACGGGGTACTA
 TGGGAAGGGCAAACCTGTACCCGTACACGGCAGCCGGAAGGGGGTGCCATGCAGATCTGCACCATCATC
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_012809

Insert Size: 1263 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_012809.2](#), [NP_036941.1](#)

RefSeq Size: 2326 bp
RefSeq ORF: 1263 bp
Locus ID: 25275
UniProt ID: [P13233](#)
Cytogenetics: 10q31
Gene Summary: microtubule-binding protein that promotes microtubule assembly and may regulate cellular distribution of microtubules [RGD, Feb 2006]