

Product datasheet for **RR201144**

Cpn1 (NM_053526) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpn1 (NM_053526) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpn1
Synonyms:	Cpn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201144 representing NM_053526
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGACCTGCCCTCAGCCTTCTGCCCTCCTCCTCCTCCAAGTTGTTACCCCGGTGACCTTTC
 GTACCACCGCTACGACGACCTCGTGCGGACGCTGACAAGGTGCACAACCAATGCCCGGACATCAGCGG
 GCTCTACAACATCGGGCGCAGCGTGAAGGGGAGGTACCTCTACGTGCTGGAGTTTACGACTATCCTGGG
 ACCCATGAACCTTGAACCGGAAGTCAAGTACGTGGGGAACATGCACGGGAACGAGGTGCTGGCCCGG
 AACTGCTGCTGCAGCTGTCGGAATTCCTCTGCGAGGAGTCCGGAACCGGAACGAGCGCATCCTGCGCT
 CATCCAGGACACCCGATTACATCCTTCCATCCATGAACCTGACGGCTACGAGGTGGCTGCTGCCAG
 GGCCAAACACGCTCTGGGTATCTGGTTGGTAGGAACAATGCAAAATGGGGTGGACCTGAACCGAACTTCC
 CGGATCTCAACACCTATTTCTACTACAATTCGAAGTATGGCGGCCCAACCACCCTGCCCTCCCTGA
 CAACTGGAAAAGTCAGGTGGAACAGAGACCCGGGCACTGATCCAGTGGATTCGATCCTTAAACTTCGTT
 CTCTCAGCCAATATGCACGGCGGGCTGTGGTGGCCAATTACCCATATGACAAGTCACTGGAACACAGGT
 TCCGAAGTCCCATCGCACCTCCAATTCACCCACACCGGATGACGAGCTCTTCCAGACGCTGGCCAAAGT
 CTACTCTACGCACATGGATGGATGCACCAAGGTTGAACTGTGGGGACTACTTCCAGACGGCATCACC
 AATGGGGCATCCTGGTATTCTCTAAGCAAGGGAATGCAAGACTTCAATTATCTCCATACCAACTGCTTTG
 AGATCACCTAGAGCTGAGTTGCAACAAGTTTCCCGGCAAGAAGAGCTGCAAAGGGAGTGGCTGGGTAA
 CCGGAAGCCTTAATCCAGTCTTGAACAGGTTCAACAGGCATCAAGGGAATGGTGTGACGAGAAC
 TATAAACCTCACAGGGGCTGTATTTCCGTCACCGGCATCAACCAGTGTCACTTCAGGTGAACACG
 GGGATTATTTCCGGCTGCTGCTCCAGTACTTACTCAGTCACTGCCAAGGCATCAGGGTATGAGCCAA
 AACAGTACTGTGACCGTGGGGCTGCGGGACCAACACTGGTTGACTTCCAGCTCAAGCGAAGCAGACT
 CAGGTGCACCCTGTGCAGAAAGCTCCTGGCCGAGGACAGGGAAGCAGGGCAAAGCAGCCCGGACATCCA
 GAAAGAAAGACCAGGCAGCAAAGCGGCACAGGGCCCTGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201144 representing NM_053526
 Red=Cloning site Green=Tags(s)

MPDLPSAFLPLLLL SKFVTPVTFRHHRYDDLVRTLYKVHNQCPDITRLYNIGRSVKGRYLYVLEFSDYPG
 THEPLEPEVKYVGNMHGNEVLGRELLQLSEFLCEEFRNRNQRILRLIQDTRIHILPSMNPDGYEVAAAQ
 GPNTSGYL VGRNNANGVDLNRNFPDLNTYFYNSKYGGPNHHLPLPDNWKSQVEPETRAVIQWIRSLNFV
 L SANMHGAVVANYPYDKSLEHRFRSPHRTSNSPTPDEL FQTLAKVYSYAHGWMHQGWNCGDYFPDGIT
 NGASWYSLSKGMQDFNYLHTNCFEITLLELSCNKFPRQEELQREWLGNREALIQFLEQVHQGIKGMVLDEN
 YNNLTGAVISVTGINHDVTSGEHGDYFRLLLPGTYSVTAKASGYEPKTVTVVGPAGPTLVDFQLKRSTT
 QVHPVQKAPGRGQSRKQPRTSRKKDQAAKRHRGPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

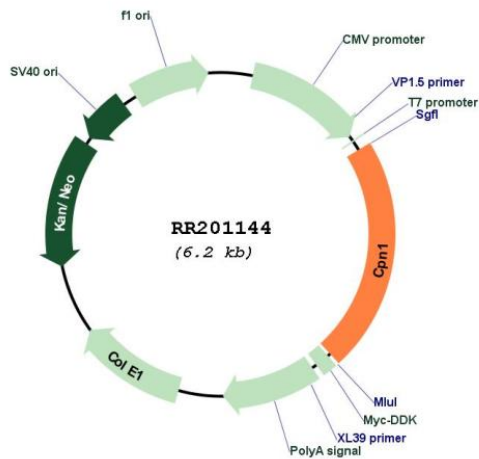
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053526

ORF Size: 1371 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_053526.2](#), [NP_445978.1](#)

RefSeq Size: 1780 bp

RefSeq ORF: 1374 bp

Locus ID: 365466

UniProt ID: [Q9EQV8](#)

Cytogenetics: 1q54

MW: 52 kDa

Gene Summary: cleaves carboxy-terminal lysine residues from biologically active peptides [RGD, Feb 2006]