

Product datasheet for **RR206212**

Cdc16 (NM_001024744) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc16 (NM_001024744) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206212 representing NM_001024744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCTGGAGCCGCTGCGCAAACCGCTCCGGCAGTACCTGGACCAGCAACAGTATCAAAGTGCTCTGT
 TTTGGGACAGACAAGGTAGCTTCACTCTCTCATGAGGAACCCAGGATGTTTATTGGTTGGCTCAGTGTCT
 TTACCTCACAGCACAGTACCACAGAGCAGCCATGCACTCCGGTACGCAAGCTGGACAACTGTATGAA
 GCTTGCCGATACCTTGCAGCTAGATGCCACTATGCTGCGAAAGAGTACCAGCAGGCTCTAGACATCCTTG
 ATATGGAGGAACCAATTAACAGAAGGCTCTTTGAGAAGTACCTGAAGGATGACAGTGGCTCCAAAGACCC
 TTCCAGTGACTGGGAGATGTCACAGTCTCCATAAAGAGCTCGATTTGTCTTCTGAGGGGAAAACTAC
 GATGCATTAGATAATCGACCCTGGCTACCTACAGTTACAAAGAGGCTTTGAAGCTCGACGTCTACTGCT
 TTGAAGCATTGATCTTCTGACGTCACACCACATGTTGACAGCACAGGAAGAAAAAGAACTTCTAGACTC
 ACTGCCTTTAGCAAGCTCTGTGCCGAAGAACAAGAATTGCTACGATTTGATTTGAGAACAATAAAG
 AAGTATAATAAGCCAGTGAGACTGTCAATCCCCAGTCACTGGACGGCTTGAAGAGAATCTGGATGTGG
 TAGTGTCTTTGGCTGAGAGACACTATTAACTGTGATTTAAGATGTGCTACAAGCTTACGCTCTGCAGT
 GATGAAAAGGACCCCTTCCATGCAAATGTTTACCTGTGCACATAGGAACTCTTGTGGAGTTGAATAAA
 GCAAAATGAACCTTTCTATCTTTCTCACAAATGGTGGATTTATATCCGAGTAATCCTGTGTCTGGTTCCG
 CGGTGGGCTGCTACTACCTCATGGTTGGCCATAAAAACGAGCAGCCAGGAGATACCTCAGCAAAGCTAC
 CACACTGGAGAAGACCTATGGGCCCGCTGGATAGCCTACGGGCACTCCTTCGCTGTGGAGAGCGAGCAT
 GACCAAGCCATGGCTGCTTATTTACAGCCGCACAGCTCATGAAGGGGTGCACTTGCCAATGCTGTATA
 TTGGGTTAGAATATGGTTTGACCAATAACTCTAACTGGCTGAGCGGTTCTTTGGCCAAGCTCTGAGCAT
 TGCCCCGGAAGACCCGTTTGTCAATCCATGAGGTTGGAGTGGTTGCCTTTTTCAGAATGGAGAATGAAAAACA
 GCAGAAAAGTGGTTTCTCGATGCTTTGGAAAAATTAAGCAATTGGGAATGAGGTAACAGTTGACAAAT
 GGGAACTTTATTGAACAACCTGGGCACTGTCTGCAGAAAACCAAGAAGTACGCCGAGGCTCTGGATTA
 CCACAGGCAGGCACTGGTGTGATCCCTCAGAATGCGTCCACATACTCTGCTATAGGCTACATCCACAGT
 CTGATGGGCAACTTCGAAAACGCTGTGGACTATTTCCATACAGCTCTCGGTCTTAGGCGAGACGACAGT
 TTTCTGTTACAATGCTTGGTCATTGCATTGAAATGTACATTGGAGATCCGAAGCTTATATCGGAGCAGA
 CATTAAAGACAACTAAAGTCTATGACTTTGACGTGCATACAATGAAAAACTAAAAACATCATTTCG
 CCTCCGTGGGATTTAGGGACTTTGAAGTAGAAAAGCAGAACACAGAGGAAGCCGGGCTGCACCTCTGG
 AAAACGCCACTAAAACCCGGAGTCCAGACCTTCTTGAAGAGACTTTTGAAATGAAATGAACGAAAG
 TGACATGATGCTAGAGACATCTATGTCAGACCACAGACA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206212 representing NM_001024744
 Red=Cloning site Green=Tags(s)

MNLEPLRKRVRQYLDQQYQSALFWADKVASLSHEEPQDVYWL AQCLYLTAQYHRAAHALRSRKLDKLYE
 ACRYLAARCHYAAKEYQQALDILDMEEPINRRLFKEYLKDSDSGSKDPSSDWEMSQSSIKSSICLLRGIY
 DALDNRTLATYSYKEALKLDVYCFEAFDLLTSHHMLTAQEEKELLDLPLSKLCAEEQELLRFVFNKIK
 KYNKPSETVIPQSV DGLQENLDVVVSLAERHYNCDFKMCYKLTSAVMEKDPFHANCLPVHIGTLVELNK
 ANELFYLSHKLVDLYPSNPVSWFAVGCYYLMVGHKNEHARRYLSKATTLKTYGPAWIAYGHSFAVESEH
 DQAMAAYFTAAQLMKGCHL PMLYIGLEYGLTNN SKLAERFFGQALSIAPEDPFVIHEVGVVAFQNGEWKT
 AEKWFLEDALEKIKAIIGNEVTVDKWEPLN NLGHVCRKLKKYAEALDYHRQALVLPQNASTYSAIGYIHS
 LMGNFENAVDYFHTALGLRRDDTF SVTMLGHCIEMYIGDSEAYIGADIKDKLKYDFDVHTMKT LKNIIS
 PPWDFRDFEVEKQNT EEA GLAPLENATKTPESRPSLEETFEIEMNESDMMLETSMDSHST

SGP**TRTRPLEQKLI SEEDLAANDILDYKDDDDK**V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_001024744

ORF Size: 1860 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_001024744.1](#), [NP_001019915.1](#)

RefSeq Size: 2258 bp

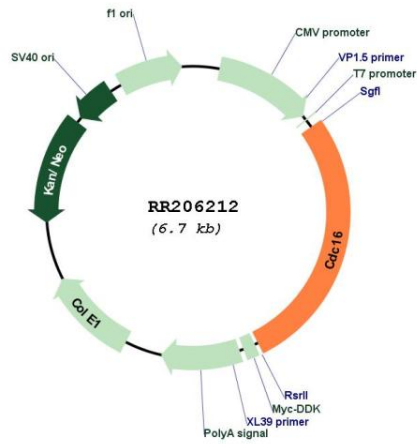
RefSeq ORF: 1863 bp

Locus ID: 290875

Cytogenetics: 16q12.5

MW: 71.4 kDa

Product images:



Circular map for RR206212