

Product datasheet for **RR212254**

Cd180 (NM_001106405) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd180 (NM_001106405) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd180
Synonyms:	Ly78
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR212254 representing NM_001106405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCTCTGGACATCAGCTGCTTCTTTAGTGGCTCTCTCTCAGCCAGCTGCCAAGCCATCGGATCCT
CAGATCAGAGGTGCACTGAGAAAGAAGTCAACAAACATACAACGTGAACATTTAGGTCTCAGTGAAAT
TCTGGCACTCTACCAAACCTCAACAGAATCTTTGGAGTTCAGCTTTAATGCCTTGCCACGATTCAAAAG
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AGAGACAGCACTTACTGGCCTAAGGCACTGAAGCATCTGTTCTTCATCCAAACAGGAATATCCAGTATT
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TTAGACTCCCCAAGATTTCCAAACAGAGAAGCTGAAGGTCTGGATTTTCAGAATAATGCTATCCATCA
CCTGTGCGAAAGAAGACGTGAGCTCTCTACAGCAAGCCACTAATCTGAGCCTGAACCTAAATGGAAACGAC
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GCTTGCTTGTATCTTCAAGGTCTGCAGAACTCTACTATCCAGTCTCTCTGGCTGGGGACATTTGAGGA
CATTGATGACGACGAAGATATTAGTTCTTCCATGTTTGGAGGCCTCTGTGAAATGTCTGTTGAGAGAATC
AACCTACAGAAGCATCACTTCTCAACATCACTTCCAACACATTTACTGCTTCAGCGGTCTCCAGGAGC
TGGACCTAACAGCCACCCACCTGACAGAATTACCGTCTGGGATTGTGGGACTAAGCAAGCTCAAGAAATT
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CTTTACATCAAAGGCAACACAAAGAGACTTGAACCTGGTTCGGGCTGTTAGAAAACCTAGAACACCTTC
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TATTGAGGCCCTTAGTCATCTTAAGGGATCTACCTCAATCTAGCTTCCAATCGCATTAGCATCATCCCG
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GCTCAAACATTTACTTTTTAGAATGGTACAAGAAAACATGCAAAAACCTCGAAGACATAGAGGACACTTT
TTGCGCAAATCCCCATTGTTGAGGGGAGTCAAGGTCTCTGACGTATGCTGTCCTGTAGTATGGCAGCT
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TTCTCAGGTGAAATACCAACACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212254 representing NM_001106405
 Red=Cloning site Green=Tags(s)

MALDISCFLLVALFSASCAIGSSDQRCTEKEVNKTYNCEHLGLSEIPGTLPNSTESLEFSFNLPTIQK
 TTF SRLVNL TFLDL TRCQIYWIHEDTFQSQRHLETLVL TANPLIFMAETAL TGPKALKHLFFIQTGISSI
 EFIPVHSQKALESYLGSNHISSIRLPKDFPTEKLVDFQNNAIHHL SKEDVSSLQQATNLSLNLGND
 ITGIEPGAFKSTVFQSLNFGGTQSLLVIFKGLQNSTIQSLWLGTFEDIDDEDISSSMFEGLCMSVERI
 NLQKHHFFNITSNTFYCFSGLQELDLTATHL TELPSGIVGLSKLKKLVLSANKFENLCQISASNFPSLTH
 LYIKGNTKRELELGSGLLETLEHLRELDL SHDDIETSDCCNLQLRNL SHLQSLNLSYNEPLGRTEAFKEC
 PQLELLDLAFTRLHVKDAQSPFQNLHLLKVLNL SHCLLGSSNQHLLDGLPALRHLNLQGNRFPNGNIQKT
 NPLQALGSLEIL IL SFCDLSSIDHQAFINLKIMNHVDLSHNRL TSSSIEALSHLKG IYLNLASNRISIIP
 PSSLLPVL SQRTINLRQNPLDCTCSNIYFLEWYKENMQKLEDIEDTFCANPPLL RGVKVSVDVMLSCSMAA
 VGIFFLIV FLLLFAVLLIFAVKRFLRWKYQHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

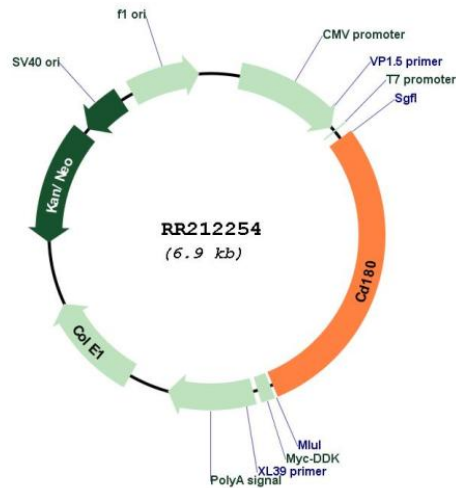
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106405

ORF Size: 1986 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_001106405.1](#), [NP_001099875.1](#)

RefSeq Size: 2566 bp
RefSeq ORF: 1989 bp
Locus ID: 294706
Cytogenetics: 2q12
MW: 74.4 kDa