

Product datasheet for **MR218774**

Cd180 (NM_008533) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd180 (NM_008533) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd180
Synonyms:	F630107B15; Ly-78; Ly78; RP105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR218774 representing NM_008533
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCCGGACATCAGCTGCTTCTTTTTAGTGGCCCTCTCTTGCCAGTTGCCAGCCACCACATCCT
CAGATCAGAAGTGCAATTGAGAAAGAAGTCAACAAACATACAACCTGTGAAAATTTAGGTCTCAATGAAAT
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GATTTTATCCCACTGCACAATCAAAAAACCTTGGAAAGTCTCTATCTCGGAAGCAACCATATTTCTCCA
TTAAGCTCCCAAAGTTTCCCAACAGAGAAGCTGAAGGTCCTGGATTTTCAGAATAATGCTATCCATTA
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ATTGCAGGAATAGAGCTGGGGCTTTCGACTCAGCTGTCTTCAAAGTTTAACTTTGGAGGGACTCAGA
ACTTGCTAGTTATCTCAAGGGTTTGAAGAACTCTACGATCCAGTCTCTTTGGCTGGGGACATTTGAGGA
CATGGATGACGAAGATATTAGTCTGCCGTGTTTGGGGTCTCTGTGAAATGTCTGTGGAGAGCATCAAC
CTACAGAAGCATTATTTCTTCAACATTTCTCCAACACATTCCATTGCTTCAGTGGCCTCCAGGAACTGG
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TCACTTCAGCACTGGGAAGACTAGAAATCCTGGTTTTATCCTTTTGTGATCTCTCTCCATTGACCAGC
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TGAGGCTCTTAGTCATCTTAAGGGGATCTACCTCAATCTGGCCTCCAATCGCATCAGCATCATCCTACCC
AGTCTCTCCCATCTTGTCCCAGCAGAGGACCATTAATTTAAGACAAAATCCCCTTGCATGCATTGCT
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TCAGATGGAAATACCAACACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218774 representing NM_008533
Red=Cloning site Green=Tags(s)

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MAPDISCFFLVALFLASCRATTSSDQKCIKEVNKTYNCENLGLNEIPGTLPNSTECLEFSFNVLPITIQN
TTF SRLINLTF LDLTRCQIYWIHEDTFQSQRHLDLVL TANPLIFMAETALSGPKALKHLFFIQTGISSI
DFIPLHNQKTLESYLGSNHIISSIKLPKGFPEKLVDFQNNAIHYLSKEDMSSLQQATNLSLNLNGND
IAGIELGAFDSAVFQSLNFGGTQNLVIFKGLKNSTIQSLWLGTFEDMDEDISPAVFEGLCEMSVEIN
LQKHYYFNISSNTFHCFSGLQELDLTATHLSELP SGLVGLSTLKKLVLSANKFENLCQISASNFPSLTHL
SIKGNTRLELGTGLENLENLRELDL SHDDIETSDCCNLQLRNLSHLQSLNLSYNEPLSLKTEAFKECP
QLELLDLAFTRLKVKDAQSPFQNLHLLKVLNLSHSLDDISSEQLFDGLPALQHLNLQGNHFPKGNIQKTN
SLQTLGRLEILVLSFCDLSSIDQHAFTSLKMMNHVDLSHNRLTSSSIEALSHLKGIYLNLSNRISIIIP
SLLPILSQORTINLRQNPLDCTCSNIYFLEWYKENMQKLEDETL CENPPLLRGVR LSVTLSCSMAAV
GIFFLIVFLLVFAILLIFAVKYFLRWKYQHI
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008533

ORF Size: 1983 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_008533.2](#), [NP_032559.2](#)

RefSeq Size: 2326 bp

RefSeq ORF: 1986 bp

Locus ID: 17079

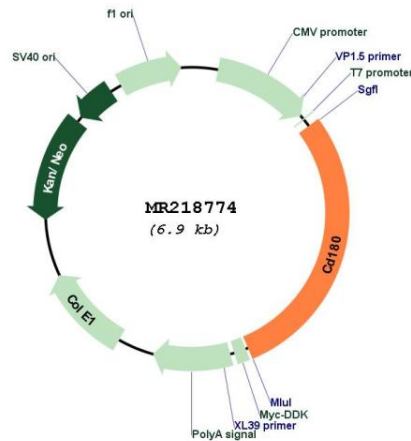
UniProt ID: [Q62192](#)

Cytogenetics: 13 D1

MW: 74.8 kDa

Gene Summary: May cooperate with MD-1 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS) in B-cells. Leads to NF-kappa-B activation. Also involved in the life/death decision of B-cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218774