

Product datasheet for **MG218774**

Cd180 (NM_008533) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd180 (NM_008533) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd180
Synonyms:	F630107B15; Ly-78; Ly78; RP105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218774 representing NM_008533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCGGACATCAGCTGCTTCTTTTTAGTGGCCCTCTTCTTGCCAGTTGCCGAGCCACCACATCCT
 CAGATCAGAAGTGCAATTGAGAAAGAAGTCAACAAACATACAACCTGTGAAAATTTAGGTCTCAATGAAAT
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 ACGACCTTCAGCAGACTTATCAATCTCACCTTCTGGATTTAACCAGGTGCCAGATTTACTGGATACATG
 AAGATACTTTCCAAAGCCAACATCGGTTAGACACACTTGTACTAACCGCAAATCCCCTGATATTTATGGC
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 ATTGCAGGAATAGAGCTGGGGGCTTTCGACTCAGCTGTCTTCAAAGTTTAACTTTGGAGGGACTCAGA
 ACTTGCTAGTTATCTTCAAGGGTTTGAAGAACTCTACGATCCAGTCTCTTTGGCTGGGGACATTTGAGGA
 CATGGATGACGAAGATATTAGTCTGCCGTGTTTGGGGTCTCTGTGAAATGTCTGTGGAGAGCATCAAC
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 AACTTGACCTCAGCCATGATGACATTGAAACTTCTGATTGTTGCAACCTGCAACTCCGAAACCTGTCTCA
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 CAGCTAGAACTCCTAGATTTGGCATTACTCGACTAAAGGTGAAAGATGCACAGAGTCCCTTCCAGAACC
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 TCACTTCAGCACTGGGAAGACTAGAAATCCTGGTTTTATCCTTTTGTGATCTCTCTCCATTGACCAGC
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 TGAGGCTCTTAGTCATCTTAAGGGGATCTACCTCAATCTGGCCTCCAATCGCATCAGCATCATCCTACCC
 AGTCTCTCCCATCTTGTCCCAGCAGAGGACCATTAATTTAAGACAAAATCCCCTTGACTGCATTGCT
 CAAACATTTACTTTTAGAATGGTACAAAGAAAACATGCAAAAACCTCGAGGACACAGAGGACACTCTTTG
 CGAAAATCCCCATTGCTGAGGGGAGTCAGGCTCTCCGATGTCACGCTATCCTGTAGTATGGCAGCTGTG
 GGCATTTTCTTTCTATTGTATTCTTGCTCGTGTGCTATTTTGCTGATTTTGCAGTGAATATTTTC
 TCAGATGGAAATACCAACACATT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218774 representing NM_008533
 Red=Cloning site Green=Tags(s)

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MAPDISCFFLVALFLASCRATTSSDQKICIEKVNKTYNCENLGLNEIPGTLPNSTECLEFSFNVLPTIQN
TTF SRLINLTFDLTRCQIYWIHEDTFQSQRHLDLVL TANPLIFMAETALSGPKALKHLFFIQTGISSI
DFIPLHNQKTLESYLGSNHIISSIKLPGFPTKLVDFQNNAIHYLSKEDMSSLQQATNLSLNLNGND
IAGIELGAFDSAVFQSLNFGGTQNLVIFKGLKNSTIQSLWLGTFEDMDEDISPAVFEGLCEMSVEIN
LQKHYYFFNISSNTFHCFSGLQELDLTATHLSELPSGLVGLSTLKKLVLSANKFENLCQISASNFPSLTHL
SIKGNTRKLELGTGCLENLENLRELDLSHDDIETSDCCNLQRNLSHLQSLNLSYNEPLSLKTEAFKECP
QLELLDLAFTRLKVKDAQSPFQNLHLLKVLNLSHSLDDISSEQLFDGLPALQHLNLQGNHFPKGNIQKTN
SLQTLGRLEILVLSFCDLSSIDQHAFTSLKMMNHVDLSHNRLTSSSIEALSHLKGIYLNLASNRISIIIP
SLLPILSQORTINLRQNPLDCTCSNIYFLEWYKENMQKLEDTEDTLCENPPLLRGVRLSDVTLSCSMAAV
GIFFLIVFLLVFAILLIFAVKYFLRWKYQHI
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TRTRPLE - GFP Tag - V

Restriction Sites:

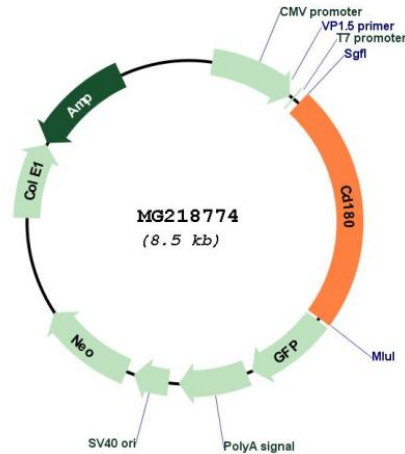
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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

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]