

Product datasheet for **RC215954**

RP105 (CD180) (NM_005582) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RP105 (CD180) (NM_005582) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RP105
Synonyms:	LY64; Ly78; RP105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC215954 representing NM_005582
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTTTGACGTGAGTCTCTTTTGGGTGGTGTCTTTTCTGCCGGCTGTAAGTCATCACCTCCT
GGGATCAGATGTGCATTGAGAAAGAAGCCAACAAAACATATAACTGTGAAAATTTAGGTCTCAGTGAAAT
CCCTGACACTCTACCAAACACAAGAATTTTTGGAATTCAGCTTTAATTTTTGGCTACAATTCACAAAT
AGAACCTTCAGCAGACTCATGAATCTTACCTTTTTGGATTAACTAGGTGCCAGATTAAGTGGATACATG
AAGACACTTTTCAAAGCCATCATCAATTAAGCACACTTGTGTTAACTGGAAATCCCTGATATTCATGGC
AGAAACATCGCTTAATGGGCCAAGTCACTGAAGCATCTTTTCTAATCCAAACGGGAATATCCAATCTC
GAGTTTATCCAGTGCACAATCTGGAAAACCTGGAAAAGCTGTATCTTGGAAAGCAACCATATTTCTCCCA
TTAAGTTCCCAAAGACTTCCAGCACGGAATCTGAAAGTACTGGATTTTCAGAATAATGCTATACACTA
CATCTCTAGAGAAGACATGAGGTCTCTGGAGCAGGCCATCAACCTAAGCCTGAACCTCAATGGCAATAAT
GTTAAAGGTATTGAGCTTGGGGCTTTTGATTCAACGATCTTCAAAGTTTGAACCTTTGGAGGAACCTCAA
ATTTGCTGTATATTCAATGGTCTGCAGAACTCTACTACTCAGTCTCTCTGGCTGGGAACATTTGAGGA
CATTGATGACGAAGATATTAGTTGAGCCATGCTCAAGGGACTCTGTGAAATGTCTGTTGAGAGCCTCAAC
CTGCAGGAACACCGCTTCTCTGACATCTCATCCACCACATTTAGTGTCTTACCCAACTCCAAGAATTGG
ATCTGACAGCAACTCACTGAAAGGGTTACCCTCTGGGATGAAGGGTCTGAACTTGTCTCAAGAAATAGT
TCTCAGTGAAATCATTCGATCAATTTGTGCAATCAGTGTGCCAATTTCCCTCCCTTACACACCTC
TACATCAGAGGCAACGTGAAGAACTTCACTTGGTGTGGCTGCTTGGAGAACTAGGAAACCTTCAGA
CACTTGATTTAAGCCATAATGACATAGAGGCTTCTGACTGCTGCAGTCTGCAACTCAAAAACCTGTCCCA
CTTGCAAACCTTAAACCTGAGCCACAATGAGCCTCTTGGTCTCCAGAGTCAGGCATTCAAAGAATGTCT
CAGCTAGAACTCCTCGATTTGGCATTACCCGCTTACACATTAATGCTCCACAAAGTCCCTTCCAAAACC
TCCATTTCTCAGGTTCTGAATCTCACTTACTGCTTCTTGTATACCAGCAATCAGCATCTTCTAGCAGG
CCTACCAGTTCTCCGGCATCTCAACTTAAAAGGGAATCACTTTCAAGATGGGACTATCACGAAGACCAAC
CTACTTCAGACCGTGGGCAGCTTGGAGTTCTGATTTTGTCTTGTGGTCTCCTCTCTATAGACCAGC
AAGCATTCCACAGCTTGGGAAAAATGAGCCATGTAGACTTAAGCCACAACAGCCTGACATGCGACAGCAT
TGATTCTCTTAGCCATCTTAAGGGAATCTACCTCAATCTGGCTGCCAACAGCATTAAACATCATCTCACC
CGTCTCCTCCCTATCTTGTCCCAGCAGAGCACCATTAATTTAAGTCATAACCCCTGGACTGCCTTGTCT
CGAATATTCATTTCTTAACATGGTACAAAGAAAACCTGCACAACTTGAAGGCTCGGAGGAGACCAGGTG
TGCAAACCGCCATCTTAAGGGGAGTTAAGCTATCTGATGTCAAGCTTCTCTGTGGGATTACAGCCATA
GGCATTTTCTTCTCATAGTATTTCTATTATTGTTGGCTATTCTGCTATTTTTGCGAGTTAAATACCTTC
TCAGGTGGAAATACCAACACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_005582.3](#)

RefSeq Size: 2725 bp

RefSeq ORF: 1986 bp

Locus ID: 4064

UniProt ID: [Q99467](#)

Cytogenetics: 5q12.3

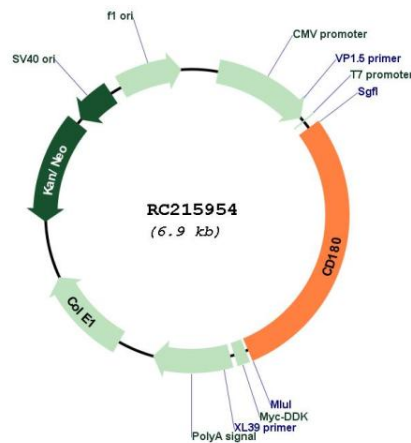
Domains: LRRCT, LRR, LRR_TYP

Protein Families: Druggable Genome, Transmembrane

MW: 74.6 kDa

Gene Summary: CD180 is a cell surface molecule consisting of extracellular leucine-rich repeats (LRR) and a short cytoplasmic tail. The extracellular LRR is associated with a molecule called MD-1 and form the cell surface receptor complex, RP105/MD-1. It belongs to the family of pathogen receptors, Toll-like receptors (TLR). RP105/MD1, by working in concert with TLR4, controls B cell recognition and signaling of lipopolysaccharide (LPS), a membrane constituent of Gram-negative bacteria. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC215954