*m*CD14 VersaClone cDNA

Catalog Number: RDC1212

Specifications:

Gene:	*m*Cd14
Accession:	NP_033971
Insert size:	1114bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

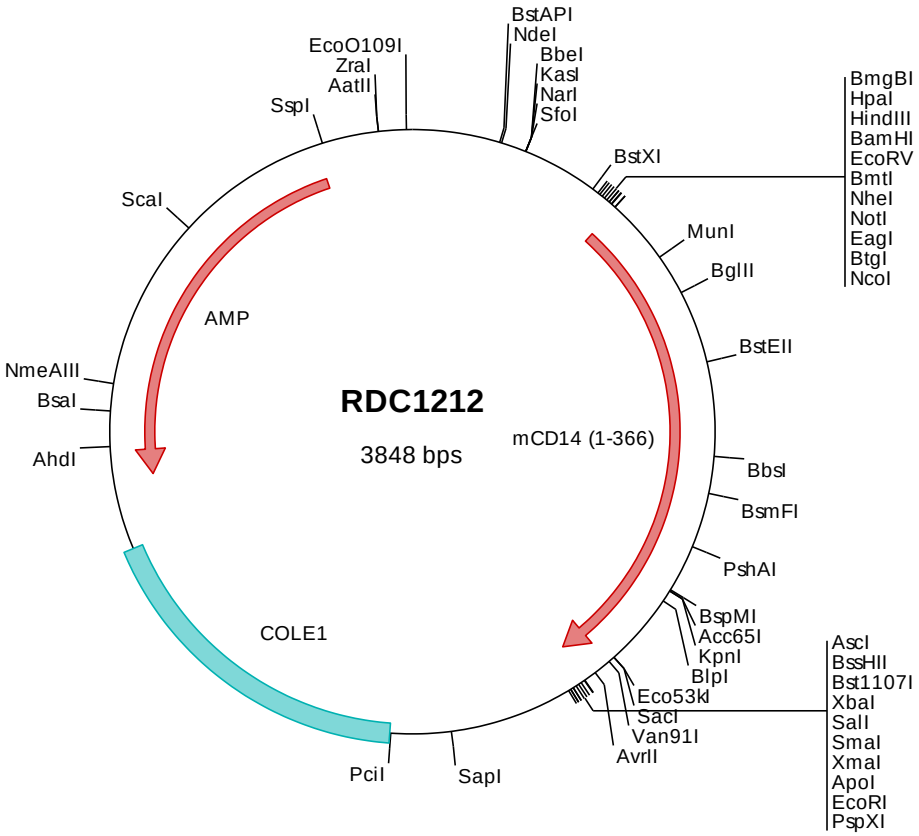
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*CD14 cDNA Plasmid

Cd14 CD14 antigen [*Mus musculus* (house mouse)]

Summary:

CD14 is a cell surface glycoprotein that is preferentially expressed on monocytes/macrophages. CD14 is a pattern recognition receptor that binds lipopolysaccharides (LPS) and a variety of ligands derived from different microbial sources. The binding of CD14 with LPS is catalyzed by LPS binding protein (LBP). The toll like receptors have also been implicated in the transduction of CD14 LPS signals. Similar to other GPI anchored proteins, soluble CD14 can be released from the cell surface by phosphatidylinositol specific phospholipase C. Soluble CD14 has been detected in serum and body fluids.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1212 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggagcgtg tgcttggctt gttgctgttg cttctggtgc acgcctctcc
 501  cgccccacca gagccctgcg agctagacga ggaaagttgt tcctgcaact tctcagatcc gaagccagat tggtccagcg ctttcaattg tttgggggcg
 601  gcagatgtgg aattgtatgg cggaggccgt agcctggaat accttctaaa gcgtgtggac acggaagcag atctggggca gttcactgat attatcaagt
 701  ctctgtcctt aaagcggctt acggtgcggg ccgcgcggat tcctagtcgg attctattcg gagccctgcg tgtgctcggg atttccggcc tccaggaact
 801  gactcttgaa aatctcgagg taaccggcac cgcgccgcca ccgcttctgg aagccaccgg acccgatctc aacatcttga acctccgcaa cgtgtcgtgg
 901  gcaacaaggg atgcctggct cgcagaactg cagcagtggc taaagcctgg actcaaggta ctgagtattg cccaagcaca ctcactcaac ttttcctgcg
1001  aacaggtccg cgtcttccct gccctctcca ccttagacct gtctgacaat cctgaattgg gcgagagagg actgatctca gccctctgtc ccctcaagtt
1101  cccgaccctc caagttttag cgctgcgtaa cgcggggatg gagacgccca gcggcgtgtg ctctgcgctg gccgcagcaa gggtacagct gcaaggacta
1201  gaccttagtc acaattcact gcgggatgct gcaggcgctc cgagttgtga ctggcccagt cagctaaact cgctcaatct gtctttcact gggctgaagc
1301  aggtacctaa agggctgcca gccaagctca gcgtgctgga tctcagttac aacaggctgg ataggaaccc tagcccagat gagctgcccc aagtggggaa
1401  cctgtcactt aaaggaaatc ccttttgga ctctgaatcc cactcggaga agtttaactc tggcgtagtc accgccggag ctccatcatc ccaagcagtg
1501  gccttgtcag gaactctggc tttgctccta ggagatcgcc tctttgttta aaggcgcgcc agtatactct agagtcgaca cccgggaat tcctcgagcg
1601  ctcgtctcta gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt
1701  gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta
1801  atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct cggtcgttcg gctgcggcga
1901  gcggtatcag ctcactcaaa ggcggtaata cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga
2001  accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgccccccct gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac
2101  aggactataa agataccagg cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg cttaccggat acctgtccgc ctttctccct
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2901  ctggccccag tgctgcaatg ataccgcgag acccacgctc accggctcca gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg
3001  tcctgcaact ttatccgcct ccatccagtc tattaattgt tgccgggaag ctagagtaag tagttcgcca gttaatagtt tgcgcaacgt tgttgccatt
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3201  aaaaagcggt tagctccttc ggtcctccga tcgttgtcag aagtaagttg gccgcagtgt tatcactcat ggttatggca gcactgcata attctcttac
3301  tgtcatgcca tccgtaagat gcttttctgt gactggtgag tactcaacca agtcattctg agaatagtgt atgcggcgac cgagttgctc ttgcccggcg
3401  tcaatacggg ataataccgc gccacatagc agaactttaa aagtgctcat cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc ttaccgctgt
3501  tgagatccag ttcgatgtaa cccactcgtg cacccaactg atcttcagca tcttttactt tcaccagcgt ttctgggtga gcaaaaacag gaaggcaaaa
3601  tgccgcaaaa aagggaataa gggcgacacg gaaatgttga atactcatac tcttcctttt tcaatattat tgaagcattt atcagggtta ttgtctcatg
3701  agcggataca tatttgaatg tatttagaaa aataaacaaa taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta
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> RDC1212 Translated Insert Sequence

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 201  pelgerglis alcplkfptl qvlalrnagm etpsgvcsal aaarvqlqgl dlshnslrda agapscdwps qlnslnlsft glkqvpkglp aklsvldlsy
 301  nrldrnpspd elpqvgnlsl kgnpfldses hsekfnsgvv tagapssqav alsgtlalll gdrlfv
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