

Specifications:

Gene:	hCD14
Accession:	NP_000582
Insert size:	1150bp
Concentration:	10µg at 0.2µg/µL

hCD14 cDNA Plasmid

CD14 CD14 molecule [*Homo sapiens* (human)]

Summary:

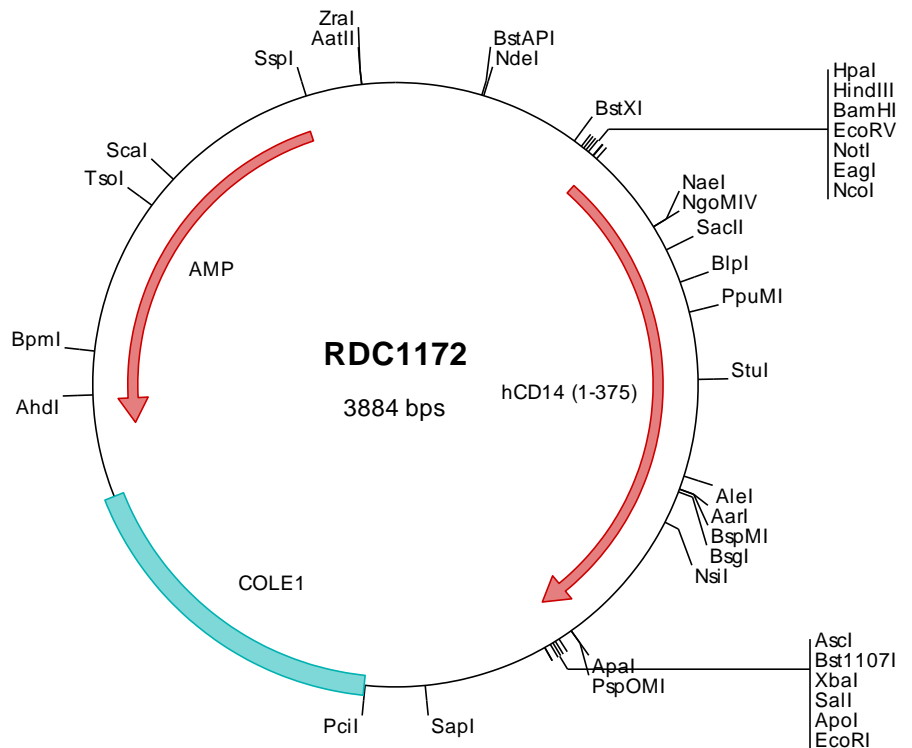
CD14 is a cell surface glycoprotein that is preferentially expressed on monocytes/macrophages. CD14 is a pattern recognition receptor that binds lipopolysaccharides (LPS) and a variety of ligands derived from different microbial sources. The binding of CD14 with LPS is catalyzed by LPS binding protein (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.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1172 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagccc
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacacagat gcgtaaggag aaaataaccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggccagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tetgtagcgc ggccgccacc atggagcgcg cgtccctgctt gttgtctgtg ctgctgcccg ttgtgcaact
501 ctctgcgacc acgccagaac cttgtgagct ggacgatgaa gatttccgct gegtctgcaa ctctccgaa cctcagcccg actgggctoga agcctccag
601 tgtgtgtctg cagtagaggt ggagatccat gcggcggtc tcaactaga gccgtttcta aagcgcgtcg atgcggacgc ogaccgggg cagtagctg
701 acacgggtaa ggtctctcgc gtgcggcgcc tcacagtggg agccgcacag gttcctgctc agctactggt aggcgcctcg cgtgtgctag cgtactcccg
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1701 caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaagtag tgagctaaact cacattaatt gcgttgcgct cactgcccgc
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2001 agaacatgt agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgcgtg cgttttcca taggctccgc cccctgacg agcatcaaa
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2201 ctgcccgtta cgggatacct gtcgccttct ctcccctcgg gaagcgtggc gctttctcaa tgctcacgct gtaggtatct cagttcgggt taggtcgttc
2301 gctccaagct gggctgtgtg cacgaacccc cgttcagacc cgcctatccg gcttaactcg ttaactatcg tcttgagtc aaccggtaa gacacgactt
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2501 agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaactctcg aaaaagagtt ggtagctctt gatccggcaa acaaacacc gctggtagcg
2601 gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc ctttgatctt ttctacggg tctgacgctc agtggaacga
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> RDC1172 Translated Insert Sequence

1 merasc1111 llplvhvsat tpepceldde dfrcvcnfse pqpdwseafq cvsaveveih aggl1nlepfl krvdadadpr qyadtvkalr vr1rtlvgaag
101 vpaqllvgal rvlaysrlike ltledlkitg tmpplpleat glalsslr1r nvswatgrsw laelqqlkp glkvlsiaqa hspafscqev rafpaltslid
201 lsdnpglger glmaalcpkh fpaignlalr ntgmetptgv caalaaagvq phsldlshns lratvnpsap rcmwssalns lnlsfagleq vpkglpaklr
301 vldlscnrln rapqdelpe vdnltldgnp flvpgtalph egsmnsgvvp acarstlsvg vsgtlvllqg argfa