*p*CD47 VersaClone cDNA

Catalog Number: RDC3158

Specifications:

Gene:	*p*CD47
Accession:	NP_999147.1
Insert size:	925bp
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

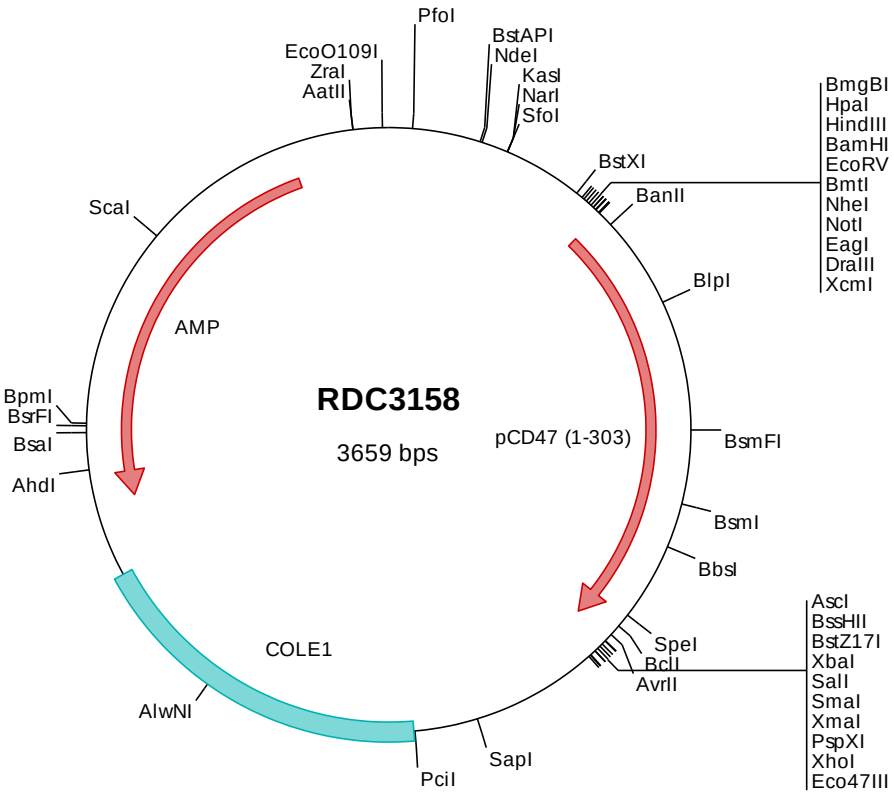
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*p*CD47 cDNA Plasmid

CD47 CD47 molecule [*Sus scrofa* (pig)]

Also known as: CD47/IAP

Summary:
CD47 is a membrane protein involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. It is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3158 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 atgtggccct tggtggtggt ggtgctgctg ggctcggcgt actgcggttc
 501  agctcagttg atatttaata taaccaaatc tgtagaattc accgtttgca atacaactgt taccatccca tgttttgtta ataacatgga ggcaaagaac
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 701  caaaaatctc accatcagaa ttactacatg gcattgcctc tttgaagatg gataagcgtg atgccgtcat aggaaactac acttgtgaag taacagaatt
 801  aagcagagaa ggcgaaacca tcatagaact aaaacgtcgt tttgtttcat ggttttctcc aaatgaaaat atcctcattg ttattttccc aattttggct
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1401  ttcctcgagc gctcgtctct agcttggcgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg
1501  aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc
1601  cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc
1701  ggctgcggcg agcggtatca gctcactcaa aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca
1801  aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg
1901  cgaaacccga caggactata aagataccag gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg
2001  cctttctccc ttcgggaagc gtggcgcttt ctcaatgctc acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga
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2201  aacaggatta gcagagcgag gtatgtaggc ggtgctacag agttcttgaa gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg
2301  ctctgctgaa gccagttacc ttcggaaaaa gagttggtag ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca
2401  gattacgcgc agaaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga cgctcagtgg aacgaaaact cacgttaagg gattttggtc
2501  atgagattat caaaaaggat cttcacctag atccttttaa attaaaaatg aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt
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2701  gggcttacca tctggcccca gtgctgcaat gataccgcga gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag
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2901  ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc gtttggtatg gcttcattca gctccggttc ccaacgatca aggcgagtta catgatcccc
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3501  attgtctcat gagcggatac atatttgaat gtatttagaa aaataaacaa ataggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga
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> RDC3158 Translated Insert Sequence

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 101  dkrdavigny tcevtelsre getiielkrr fvswfspnen ilivifpila illfwgqfgi ltlkykssyt kektifllva glmltiiviv gailfipgey
 201  stknacglgl iviptailil lqycvfmmal gmssftiail ilqvlghvls vvglslcvse ctpvhgplli sglgiialae llglvymkcv asdhktiqpp
 301  rnn
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