*h*CD81 VersaClone cDNA

Catalog Number: RDC0074

Specifications:

Gene:	*h*CD81
Accession:	NP_004347
Insert size:	724bp
Package size:	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

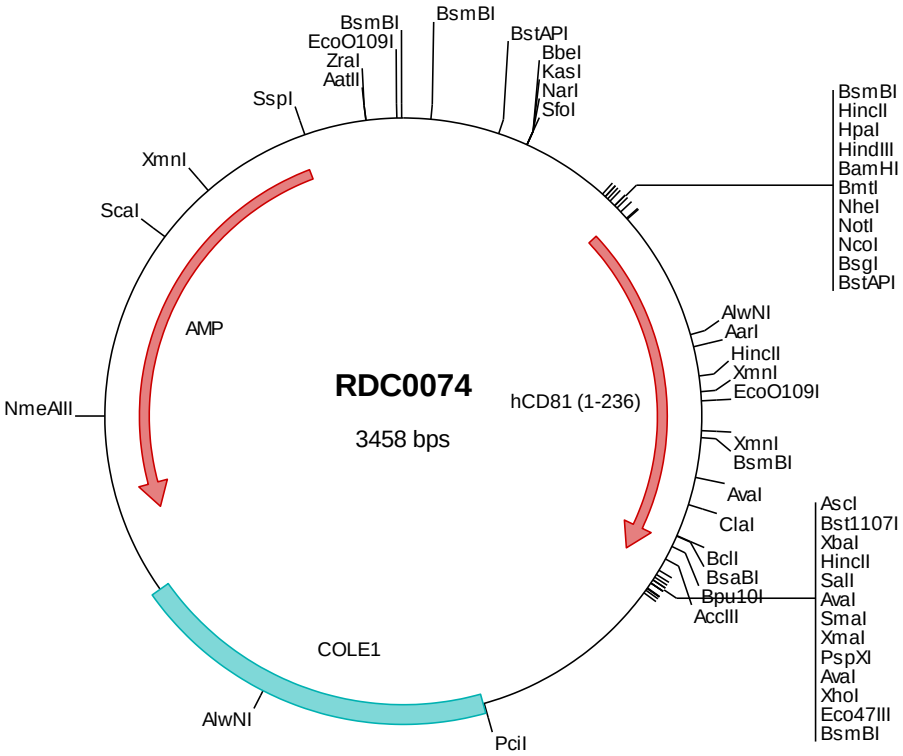
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CD81 cDNA Plasmid

CD81 CD81 molecule
[*Homo sapiens*]

Also known as: S5.7; CVID6; TAPA1; TSPAN28

Summary:
CD81 is a widely expressed protein in the tetraspanin family. It is a multifunctional protein that interacts with a variety of other molecules and is important for organization of the plasma membrane into microdomains. CD81 facilitates B-cell and T-cell activation and is an integrin-binding adhesion molecule. CD81 expression on lymphocytes is altered during infection by hepatitis C virus or HIV1 and contributes to the pathogenicity of those viruses.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0074 Plasmid DNA Sequence

```
   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 atgggagtag agggctgcac caagtgcatc aagtacctgc tcttcgtctt
 501  caatttcgtc ttctggctgg ctggaggcgt gatcctgggt gtggccctgt ggctccgcca tgacccgcag accaccaacc tcctgtatct ggagctggga
 601  gacaagcccg cgcccaacac cttctatgta ggcatctaca tcctcatcgc tgtgggcgct gtcatgatgt tcgttggctt cctgggctgc tacggggcca
 701  tccaggaatc ccagtgcctg ctggggacgt tcttcacctg cctggtcatc ctgtttgcct gtgaggtggc cgccggcatc tggggctttg tcaacaagga
 801  ccagatcgcc aaggatgtga agcagttcta tgaccaggcc ctacagcagg ccgtggtgga tgatgacgcc aacaacgcca aggctgtggt gaagaccttc
 901  cacgagacgc ttgactgctg tggctccagc acactgactg ctttgaccac ctcagtgctc aagaacaatt tgtgtccctc gggcagcaac atcatcagca
1001  acctcttcaa ggaggactgc caccagaaga tcgatgacct cttctccggg aagctgtacc tcatcggcat tgctgccatc gtggtcgctg tgatcatgat
1101  cttcgagatg atcctgagca tggtgctgtg ctgtggcatc cggaacagct ctgtgtacta aaggcgcgcc agtatactct agagtcgaca cccggggaat
1201  tcctcgagcg ctcgtctcta gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga
1301  agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc
1401  agctgcatta atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct cggtcgttcg
1501  gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa
1601  aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct gacgagcatc acaaaaatcg acgctcaagt cagaggtggc
1701  gaaacccgac aggactataa agataccagg cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg cttaccggat acctgtccgc
1801  ctttctccct tcgggaagcg tggcgctttc tcaatgctca cgctgtaggt atctcagttc ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa
1901  ccccccgttc agcccgaccg ctgcgccttа tccggtaact atcgtcttga gtccaacccg gtaagacacg acttatcgcc actggcagca gccactggta
2001  acaggattag cagagcgagg tatgtaggcg gtgctacaga gttcttgaag tggtggccta actacggcta cactagaagg acagtatttg gtatctgcgc
2101  tctgctgaag ccagttacct tcggaaaaag agttggtagc tcttgatccg gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag
2201  attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac ggggtctgac gctcagtgga acgaaaactc acgttaaggg attttggtca
2301  tgagattatc aaaaaggatc ttcacctaga tccttttaaa ttaaaaatga agttttaaat caatctaaag tatatatgag taaacttggt ctgacagtta
2401  ccaatgctta atcagtgagg cacctatctc agcgatctgt ctatttcgtt catccatagt tgcctgactc cccgtcgtgt agataactac gatacgggag
2501  ggcttaccat ctggccccag tgctgcaatg ataccgcgag acccacgctc accggctcca gatttatcag caataaacca gccagccgga agggccgagc
2601  gcagaagtgg tcctgcaact ttatccgcct ccatccagtc tattaattgt tgccgggaag ctagagtaag tagttcgcca gttaatagtt tgcgcaacgt
2701  tgttgccatt gctacaggca tcgtggtgtc acgctcgtcg tttggtatgg cttcattcag ctccggttcc caacgatcaa ggcgagttac atgatccccc
2801  atgttgtgca aaaaagcggt tagctccttc ggtcctccga tcgttgtcag aagtaagttg gccgcagtgt tatcactcat ggttatggca gcactgcata
2901  attctcttac tgtcatgcca tccgtaagat gcttttctgt gactggtgag tactcaacca agtcattctg agaatagtgt atgcggcgac cgagttgctc
3001  ttgcccggcg tcaatacggg ataataccgc gccacatagc agaactttaa aagtgctcat cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc
3101  ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg cacccaactg atcttcagca tcttttactt tcaccagcgt ttctgggtga gcaaaaacag
3201  gaaggcaaaa tgccgcaaaa aagggaataa gggcgacacg gaaatgttga atactcatac tcttcctttt tcaatattat tgaagcattt atcagggtta
3301  ttgtctcatg agcggataca tatttgaatg tatttagaaa aataaacaaa taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa
3401  accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc ctttcgtc
```

> RDC0074 Translated Insert Sequence

```
  1  mgvegctkci kyllfvfnfv fwlaggvilg valwlrhdpq ttnllylelg dkpapntfyv giyiliavga vmmfvgflgc ygaiqesqcl lgtfftclvi
101  lfacevaagi wgfvnkdqia kdvkqfydqa lqqavvddda nnakavvktf hetldccgss tltalttsvl knnlcpsgsn iisnlfkedc hqkiddlfsg
201  klyligiaai vvavimifem ilsmvlccgi rnssvy
```