

Specifications:

Gene:	mCD82
Accession:	NP_031682
Insert size:	813bp
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.

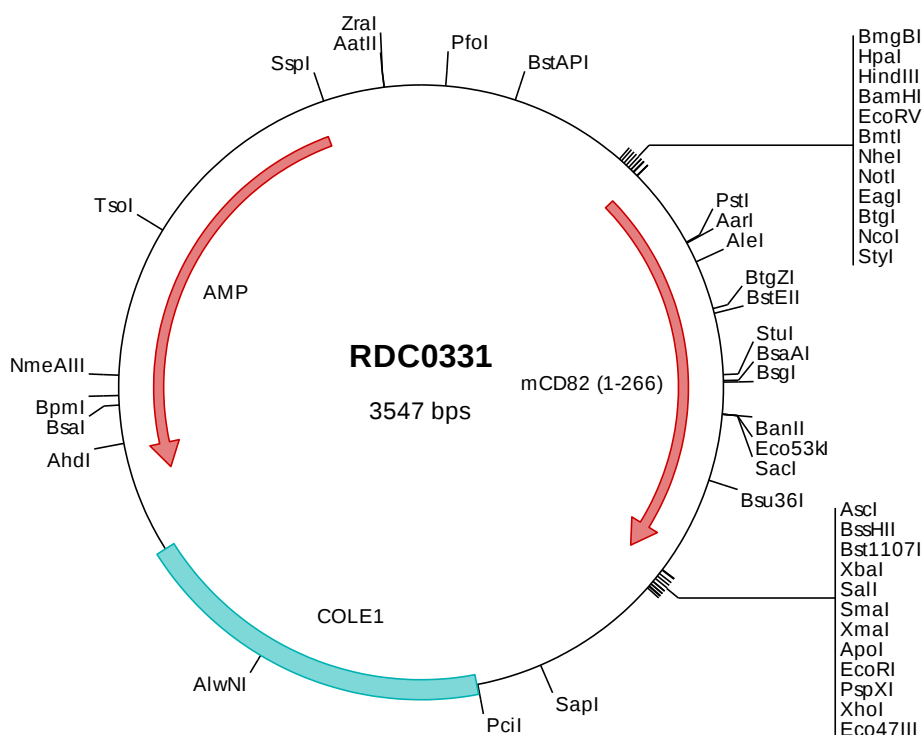
mCD82 cDNA Plasmid

Cd82 CD82 antigen [*Mus musculus*]

Also known as: C33; Kai1;
Tspan27; AA682076; AL023070

Summary:

CD82 is a metastasis suppressor gene product. It is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of CD82 has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. The expression of CD82 and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for human prostate cancer patients.





> RDC0331 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttaggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgcacac atgggggcag gctgtgtcaa agtcaccaag tatttctct tccctttcaa
501  cttgtcttcc tttatcctgg gtgctgtgat cctgggcttc ggggtgtgga ttcttgca caagaacagc ttcatttccg tctacaaaac ctcattccagc
601  tgcgtgcagg tgggggctta cgtcttcatc ggtgtgggog ccatcccatc agtgatgggc ttcttgggct gtatcgggtg tgtcaatgag gtcogtget
701  tgctgggtct gtactttgtc ttctttctgc tgatcctcat cgcacagggt accgtagggg tctctttcta cttcaacgct gacaagctga agaaggagat
801  ggggaacaca gtgatggaca tcattcgcaa ctacactgcc aatgccacca gtaggccgca ggaggcctgg gactacgtgc aggcgcagggt caagtgtgt
901  ggctgggtca gccactacaa ctggacagag aacgaggagc tcatgggctt taccaaagacc acttaccocat gctcctgcga gaagatcaag gaagaggaca
1001 accagctcat tgtgaagaaa ggattctgcg aggtcgataa cagcactgtg agcgaataca accctgagga ttggcctgtg aacactgagg gctgcatgga
1101 gaagcgcgag gcgtggcttc aggagaactt cggcatcctt ctggcgctgt gtgctgggtg tgctgtcatt gagctgctgg ggttgttctt gtccatatgt
1201 ttgtgccggt acattcattc tgaagaactac agcaaggctcc ccaagtactg aggcgcgccca gtatactcta gactcgacac ccgggggaatt cctcgagcgc
1301  tcgtctctag cttggcgtaa tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagt
1401  taaagcctgg ggtgcctaatt gactgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaaacc tgtcgtgcca gctgcattaa
1501  tgaatcgccc aacgcgcggg gagaggcgggt ttgctgtattg ggcgtcttc cgtcttcccg ctcactgact cgctcgctc ggtcgttcgg ctgcggcgag
1601  cggtatcagc tcaactcaaa ggcgtaatac ggttatccac agaatacagg gataacgcag gaaagaacat gtgagcaaaa gggccagcaaa aggccaggaa
1701  ccgtaaaaaa gccgcgcttg tggcgttttt ccataggctc cgccccctg acgagcatca caaaaatcga cgctcaagtc agaggtggcg aaacccgaca
1801  ggactataaa gataccaggc gtttccccct ggaagctccc tcgtgcgctc tctgtttccg accctgccgc cctgtccgcc tttctccctt
1901  cggaagcgtt ggcgctttct caatgtcac gctgtaggta tctcagttcg gtgtaggctg ttctgtccaa gctgggctgt gtgcacgaac cccccgttca
2001  gcccgcacgc tgcgccttat ccggttaacta tcgtcttgag tccaaacccg taagacacga cttatcgcca ctggcagcag ccactggtaa caggattagc
2101  agagcgaggt atgtaggcgg tgctacagag ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg tatctgcgt ctgctgaagc
2201  cagttacctt cggaaaaaga gttggtagct cttgatccgg caaacaaccc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag
2301  aaaaaaagga tctcaagaag atcctttgat cttttctacg ggggtctgac ctcagtggaa cgaaaactca cgtaaggga ttttggctat gagattatca
2401  aaaaggatct tcacctagat ctttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa
2501  tcagtggagg accatatctca gcgatctgtc tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg ataccggagg gcttaccatc
2601  tggcccccag gctgcaatga taccgcgaga cccacgctca ccggtctcag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtggg
2701  cctgcaactt tatccgcctc catccagctc attaatgttt gccgggaagc tagagtaagt agttccgcaag ttaatatgtt gcgcaacggt gttgccattg
2801  ctacaggcat cgtgggtgta cgtcgtcgt ttggtatggc ttcatcagc tccggttccc aacgatcaag gcgagttaca tgatcccca tgttgtgcaa
2901  aaaagcgtt agctccttcg gtcctccgat cgttgcaga agtaagtgg ccgcagttt atcactcatg gttatggcag cactgcataa ttctcttact
3001  gtcagcccat ccgtaagatg cttttctgtg actggtgagt actcaaccaa gtcattctga gaatagtgtg tgccggcgacc gagtgtctct tgcccgcgct
3101  caatacggga taataccgcg ccacatagca gaactttaa agtgctcatc attggaacac gttcttcggg gcgaaaactc tcaaggatct taccgtgtt
3201  gagatccagt tcgatgtaac ccactcgtgc acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaat
3301  gccgcaaaaa agggaataag ggcgacacgg aatgttgaa tactcatac cttcttttt caatattatt gaagcattta tcagggttat tgtotcatga
3401  cgggatacat atttgaatgt atttagaaaa ataaacaaat aggggttccg cgcacatttc ccgaaaagt gccacctgac gtctaagaaa ccattattat
3501  catgacatta acctataaaa ataggcgat cagcaggccc tttcgtc
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> RDC0331 Translated Insert Sequence

```
1   mgagcvkvtk yflflfnllf filgavilgf gvwiladkns fisvlqtsss slvgvayvfi vvgaitivmg flgcigavne vrcllglyfv fllliliaqv
101  tvgvlfyfna dklkkemgnt vmidirnyta natssreeaw dyvgaqvkcw gwvshynwte neelmgftkt ttpcscekik eednqlivkk gfceadnstv
201  sennpedwpv ntegcmekaq awlqenfgil lgvoagvavi ellglflsic loryihsedv skvpky
```