*cyno*CD39/ENTPD1 VersaClone cDNA

Catalog Number: RDC1935

Specifications:

Gene:	*cyno*ENTPD1
Accession:	EHH64904
Insert size:	1567bp
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

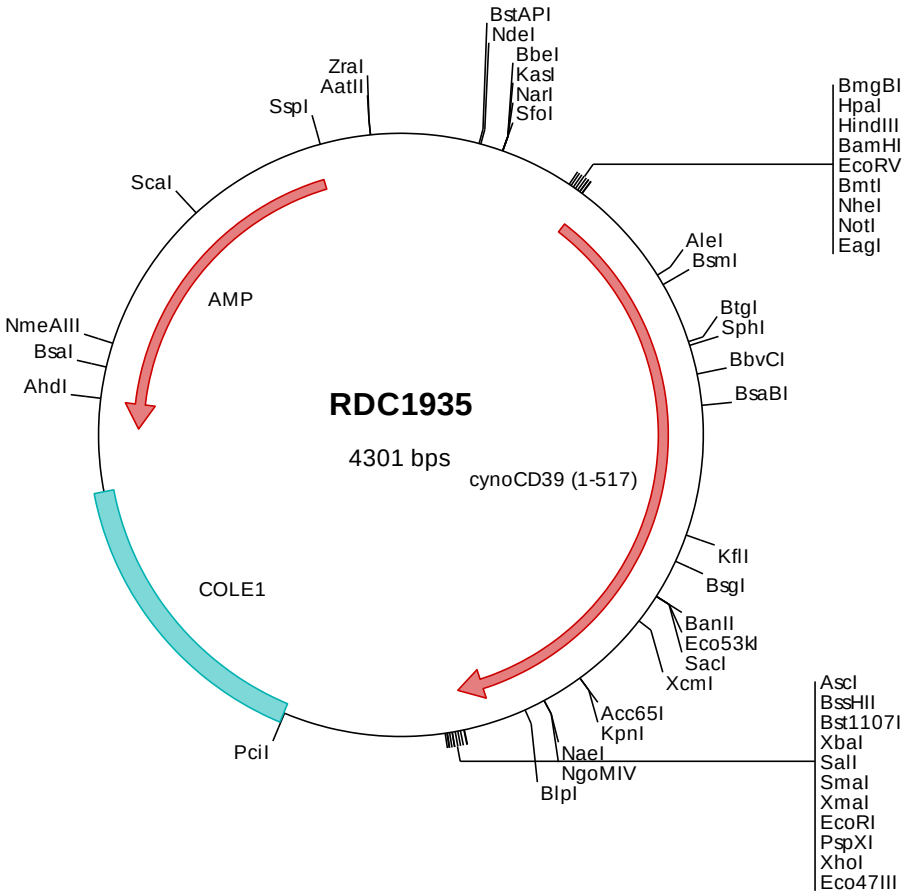
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*CD39/ENTPD1 cDNA Plasmid

ENTPD1 ectonucleoside triphosphate diphosphohydrolase 1 [*Macaca fascicularis* (crab-eating macaque)]

Also known as: CD39; SPG64; ATPDase; NTPDase-1

Summary:
CD39 is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. The inhibition of activity of CD39 may confer anticancer benefits.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1935 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 atgaagggaa ccaaggacct gacaagccag cagaaggagt ctaacgtgaa
 501  gacattttgc tccaagaata tcctagccat ccttggcttc tcctctatca tagctgtgat agctttgctt gctgtgggac tgactcagaa caaagccttg
 601  ccagaaaaca ttaagtatgg gattgtgctg gatgcgggtt cttctcacac aagtttatac atctataagt ggccagcaga aaaggagaat gacacagggg
 701  tggtgcatca agtagaagaa tgcagggtta aaggtcctgg aatctcaaaa tatgttcaga aagtaaatga aataggcatt tacctgactg attgcatgga
 801  aagagctagg gaagtgattc caaggtccca gcaccaagag acacctgttt acctgggagc cacggcaggc atgcggttgc tcaggatgga aagtgaagag
 901  ttggcagaca gggttctgga tgtggtggag aggagcctca gcaactaccc ctttgacttc cagggtgcca ggatcattac cggccaagag gaaggtgcct
1001  atggctggat tactatcaac tatctgctgg gcaaattcag tcagaaaacg aggtggttca gcatagtccc gtatgaaacc aataatcagg aaacctttgg
1101  agctttggac cttgggggag cctctacaca aatcactttt gtaccccaaa accagactac tgagtcccca gataatgctc tgcaatttcg cctctatggc
1201  aaggactaca atgtctacac acatagcttc ttgtgctatg ggaaggatca ggcactctgg cagaaactgg ccaaggacat tcaggttgca agtaacgaaa
1301  ttctcaggga cccatgcttt catcccggat ataagaaggt agtgaacgta agtgaccttt acaagacccc ctgcaccaag agatttgaga tgactcttcc
1401  attccagcag tttgaaatcc agggtattgg aaactatcaa caatgccatc aaagcgtcct ggagctcttc aacaccagtt actgccctta ctcccagtgt
1501  gccttcaatg ggatttttctt gccaccactc caggggggatt ttggggcatt ttcagctttt tactttgtga tgaatttttt aaacttgaca tcagagaaag
1601  tctctcagga aaaggtgact gagatgatga aaaagttctg ctctcagcct tgggaggaga taaaaacatc ttacgctgga gtaaaggaga agtacctgag
1701  tgaatactgc ttttctggta cctacattct ctccctactt ctgcaaggct atcatttcac agctgattcc tgggagcaca tccatttcat tggcaagatc
1801  cagggcagcg acgccggctg gactttgggc tacatgctga acctgaccaa catgatccca gctgagcaac cattgtccac acctctctcc cattccacct
1901  atgtcttcct catggttctg ttctccctgg tccttgtcat agtggccatc ataggcttgc tcatctttca caagccttcg tatttctgga aagatatggt
2001  ataaaggcgc gccagtatac tctagagtcg acacccgggg aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg
2101  aaattgttat ccgctcacaa ttccacacaa catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg
2201  ttgcgctcac tgcccgcttt ccagtcggga aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct
2301  cttccgcttc ctcgctcact gactcgctgc gctcggtcgt tcggctgcgg cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc
2401  aggggataac gcaggaaaga acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc
2501  cctgacgagc atcacaaaaa tcgacgctca agtcagaggt ggcgaaaccc gacaggacta taaagatacc aggcgtttcc ccctggaagc tccctcgtgc
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2701  ttcggtgtag gtcgttcgct ccaagctggg ctgtgtgcac gaaccccccg ttcagcccga ccgctgcgcc ttatccggta actatcgtct tgagtccaac
2801  ccggtaagac acgacttatc gccactggca gcagccactg gtaacaggat tagcagagcg aggtatgtag gcggtgctac agagttcttg aagtggtggc
2901  ctaactacgg ctacactaga aggacagtat ttggtatctg cgctctgctg aagccagtta ccttcggaaa aagagttggt agctcttgat ccggcaaaca
3001  aaccaccgct ggtagcggtg gtttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct
3101  gacgctcagt ggaacgaaaa ctcacgttaa gggattttgg tcatgagatt atcaaaaagg atcttcacct agatcctttt aaattaaaaa tgaagtttta
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3301  agttgcctga ctccccgtcg tgtagataac tacgatacgg gagggcttac catctggccc cagtgctgca atgataccgc gagacccacg ctcaccggct
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3501  aagctagagt aagtagttcg ccagttaata gtttgcgcaa cgttgttgcc attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt
3601  cagctccggt tcccaacgat caaggcgagt tacatgatcc cccatgttgt gcaaaaaagc ggttagctcc ttcggtcctc cgatcgttgt cagaagtaag
3701  ttggccgcag tgttatcact catggttatg gcagcactgc ataattctct tactgtcatg ccatccgtaa gatgcttttc tgtgactggt gagtactcaa
3801  ccaagtcatt ctgagaatag tgtatgcggc gaccgagttg ctcttgcccg gcgtcaatac gggataatac cgcgccacat agcagaactt taaaagtgct
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4001  gcatctttta ctttcaccag cgtttctggg tgagcaaaaa caggaaggca aaatgccgca aaaaagggaa taagggcgac acggaaatgt tgaatactca
4101  tactcttcct ttttcaatat tattgaagca tttatcaggg ttattgtctc atgagcggat acatatttga atgtatttag aaaaataaac aaataggggt
4201  tccgcgcaca tttccccgaa aagtgccacc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggc gtatcacgag gccctttcgt
4301  c
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> RDC1935 Translated Insert Sequence

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 201  rwfsivpyet nnqetfgald lggastqitf vpqnqttesp dnalqfrlyg kdynvythsf lcygkdqalw qklakdiqva sneilrdpcf hpgykkvvnv
 301  sdlyktpctk rfemtlpfqq feiqgignyq qchqsvlelf ntsycpysqc afngiflppl qgdfgafsaf yfvmnflnlt sekvsqekvt emmkkfcsqp
 401  weeiktsyag vkekylseyc fsgtyilsll lqgyhftads wehihfigki qgsdagwtlg ymlnltnmip aeqplstpls hstyvflmvl fslvlvivai
 501  igllifhkps yfwkdmv
```