*cyno*FCRN VersaClone cDNA

Catalog Number: RDC2302

Specifications:

Gene:	cynoFCGRT
Accession:	NP_001271480
Insert size:	1111bp
Concentration:	10µg at 0.2µg/µL

*cyno*FCRN cDNA Plasmid

FCGRT Fc fragment of IgG receptor and transporter [*Macaca fascicularis* (crab-eating macaque)]

Also known as: Fcrn

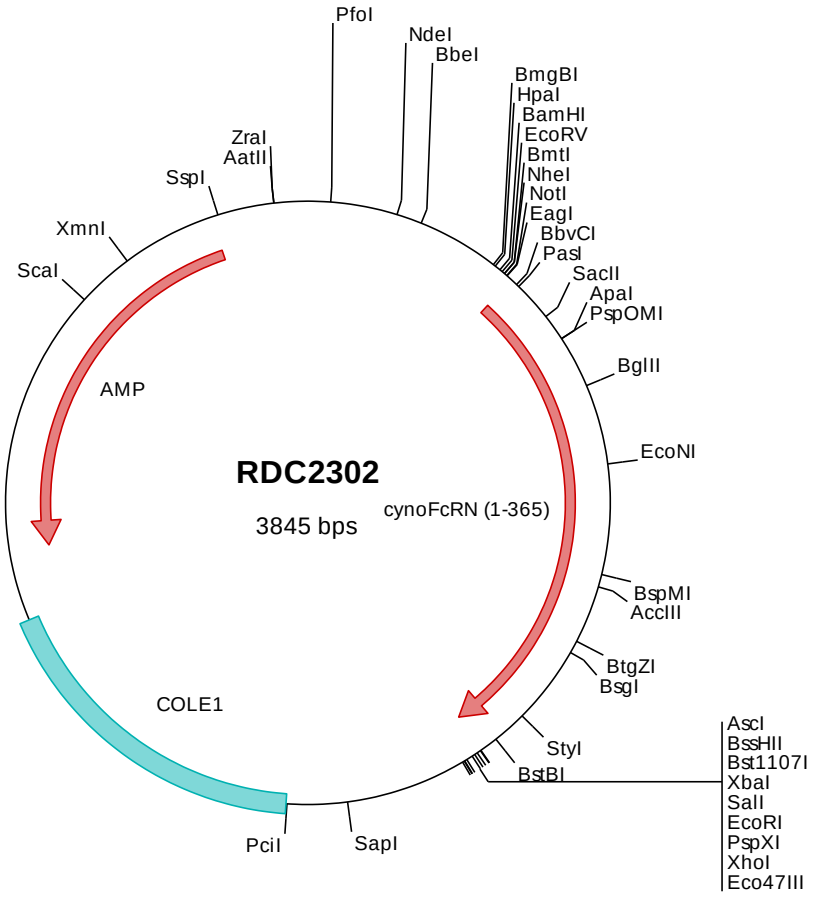
Summary:
FCRN is a member of the Ig superfamily. It is a receptor that binds the Fc region of monomeric immunoglobulin G. FCRN transfers immunoglobulin G antibodies from mother to fetus across the placenta. It also binds immunoglobulin G to protect the antibody from degradation.

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

R&D SYSTEMS
a bio-techne brand

> RDC2302 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 atgagggtcc ctcggcctca gccctgggcg ctggggctcc tgctctttct
 501  cctgcccggg agcctgggcg cagaaagtca cctctccctc ctgtaccacc tcaccgcggt gtcctcgcct gccccgggga cgcctgcctt ctgggtgtcc
 601  ggctggctgg gcccgcagca gtacctgagc tacgacagcc tgaggggcca ggcggagccc tgtggagctt gggtctggga aaaccaagtg tcctggtatt
 701  gggagaaaga gaccacagat ctgaggatca aggagaagct ctttctggaa gctttcaaag ctttgggggg aaaaggcccc tacactctgc agggcctgct
 801  gggctgtgaa ctgagccctg acaacacctc ggtgcccacc gccaagttcg ccctgaacgg cgaggagttc atgaatttcg acctcaagca gggcacctgg
 901  ggtggggact ggcccgaggc cctggctatc agtcagcggt ggcagcagca ggacaaggcg gccaacaagg agctcacctt cctgctattc tcttgcccac
1001  accggctgcg ggagcacctg gagagaggcc gtggaaacct ggagtggaag gagccccct ccatgcgcct gaaggcccga cccggcaacc ctggcttttc
1101  cgtgcttacc tgcagcgcct tctccttcta ccctccggaa ctgcaactgc ggttcctgcg gaatgggatg gccgctggca ccggacaggg cgacttcggc
1201  cccaacagtg acggctcctt ccacgcctcg tcgtcactaa cagtcaaaag tggcgatgag caccactact gctgcatcgt gcagcacgcg gggctggcgc
1301  agcccctcag ggtggagctg gaaactccag ccaagtcctc ggtgctcgtg gtgggaatcg tcatcggtgt cttgctactc acggcagcgg ctgtaggagg
1401  agctctgttg tggagaagga tgaggagtgg gctgccagcc ccttggatct ccctccgtgg agatgacacc gggtccctcc tgcccacccc gggggaggcc
1501  caggatgctg attcgaagga tataaatgtg atcccagcca ctgcctaaag gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc
1601  gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta
1701  aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg
1801  aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg
1901  gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc
2001  gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg
2101  actataaaga taccaggcgt ttcccccctgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc tgtccgcctt tctcccttcg
2201  ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc cccgttcagc
2301  ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caacccggta agacacgact tatcgccact ggcagcagcc actggtaaca ggattagcag
2401  agcgaggtat gtaggcggtg ctacagagtt cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggta tctgcgctct gctgaagcca
2501  gttaccttcg gaaaaagagt tggtagctct tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa
2601  aaaaaggatc tcaagaagat cctttgatct tttctacggg gtctgacgct cagtggaacg aaaactcacg ttaagggatt ttggtcatga gattatcaaa
2701  aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggtctg acagttacca atgcttaatc
2801  agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat acgggagggc ttaccatctg
2901  gccccagtgc tgcaatgata ccgcgagacc cacgctcacc ggctccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca gaagtggtcc
3001  tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt tgccattgct
3101  acaggcatcg tggtgtcacg ctcgtcgttt ggtatggctt cattcagctc cggttcccaa cgatcaaggc gagttacatg atcccccatg ttgtgcaaaa
3201  aagcggttag ctccttcggt cctccgatcg ttgtcagaag taagttggcc gcagtgttat cactcatggt tatggcagca ctgcataatt ctcttactgt
3301  catgccatcc gtaagatgct tttctgtgac tggtgagtac tcaaccaagt cattctgaga atagtgtatg cggcgaccga gttgctcttg cccggcgtca
3401  atacgggata ataccgcgcc acatagcaga actttaaaag tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga
3501  gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc
3601  cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tccttttca atattattga agcatttatc agggttattg tctcatgagc
3701  ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc cacctgacgt ctaagaaacc attattatca
3801  tgacattaac ctataaaaat aggcgtatca cgaggccctt tcgtc
```

> RDC2302 Translated Insert Sequence

```
   1  mrvprpqpwa lglllfllpg slgaeshlsl lyhltavssp apgtpafwvs gwlgpqqyls ydslrgqaep cgawvwenqv swywekettd lrikeklfle
 101  afkalggkgp ytlqgllgce lspdntsvpt akfalngeef mnfdlkqgtw ggdwpealai sqrwqqqdka ankeltfllf scphrlrehl ergrgnlewk
 201  eppsmrlkar pgnpgfsvlt csafsfyppe lqlrflrngm aagtgqgdfg pnsdgsfhas ssltvksgde hhyccivqha glaqplrvel etpakssvlv
 301  vgivigvlll taaavggall wrrmrsglpa pwislrgddt gsllptpgea qdadskdinv ipata
```