

## Product datasheet for **RR205252**

### Fcgrt (NM\_033351) Rat Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Fcgrt (NM_033351) Rat Tagged ORF Clone                                      |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Fcgrt   |
| Synonyms:                 | FcRn  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RR205252 representing NM_033351<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGATGTCCCAGCCCGGGTCTCCTCAGCCTCTTATTGGTCTCCTGCCTCAGACCTGGGGAGCGG  
AGCCCCGTCTCCCACTGATGTATCATCTTGACGCTGTGTCTGACTTATCAACGGGGCTTCCCTCTTTCTG  
GGCCACGGGCTGGCTGGGTGCTCAGCAATATCTGACCTACAACAACCTGCGGCAGGAGGCTGACCCCTGT  
GGGGCCTGGATATGGGAAAACAGGTGTCTTGGTATTGGGAGAAGGAGACCACGGATCTGAAAAGCAAAG  
AACAGCTCTTCTGGAGGCCATCAGGACCTGGAGAACCAAATAAATGGGACCTTCACACTGCAGGGCCT  
GCTGGGCTGTGAACTGGCCCTGATAATTTCTTATTGCCACGGCTGTGTTTGGCCCTCAATGGTGAGGAG  
TTCATGCGGTTCAACCAAGAACGGGCAACTGGAGTGGGGAGTGGCCGGAGACAGATATCGTTGGTAATC  
TGTGGATGAAGCAACCTGAGCGGCCAGGAAGGAGAGCGAGTTCTCTGCTAACTTCTTGTCTGAGCGGCT  
GCTAGGCCACCTGGAGAGGGCCGTCAGAACCTGGAGTGGAAAGGAGCCGCATCTATGCGCCTGAAGGCC  
CGTCTGGCAACTCTGGCTCCTCAGTACTGACCTGTGTGCTTTCTCTTCTACCCGCGGAGCTCAAGT  
TTCGATTCCTGCGCAATGGGCTAGCCTCAGGCTCTGGGAATTGCAGCACTGGTCCCAATGGTGATGGATC  
TTCCATGCATGGTCATTGCTAGAGGTCAAACGTGGAGATGAACACCATTACCAATGTCAAGTGGAGCAT  
GAGGGGCTGGCCAGCCTCTCACTGTGGACCTAGATTGCCCCCAGATCTTCTGTGCCTGTGGTGGAA  
TCATTCTTGGTTTATTGCTGGTGGTAGTGGCCATCGCAGGGGGTGTGCTGCTATGGAACAGGATGCGAAG  
TGGGCTGCCAGCCCCATGGCTTTCTCAGTGGTGTGACTCTGGCGACCTATTGCTGGTGGAACTTG  
CCCCGGAGGCTGAACCTCAAGGTGAAATGCCTTTCCGGCCACTTCCCCCGGAGGCTGAACCTCAAG  
GTGAAATGCCTTTCCGGCCACTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR205252 representing NM\_033351  
Red=Cloning site Green=Tags(s)

MGMSQPGVLLSLLL VLLPQTWGAEPRLPLMYHLAAVSDLSTGLPSFWATGWLGAQQYLTYNNLRQEADPC  
 GAWIWENQVSWYWEKETD LKSKEQLFLEAIRTLENQINGTFTLQGLLGCELAPDNSSLPTAVFALNGEE  
 FMRFNPRRTGNWSGEWPETDIVGNLWMKQPEARKSEFLLTSCPERLLGHLERGRQNLEWKEPPSMRLKA  
 RPNNGSSSVLTCAAF SFYPPELKF RFLRNGLASGSGNCSTGPNGDG SFHAWSLLEVKRGDEHHYQCQVEH  
 EGLAQPLTVDL DSPARSSVPVVG IILG LLLVVVA IAGGVLLWNRMRSGLPAPWLSL SGDDSGDLLPGGNL  
 PPEAEPQGVNAFPATSPPEAEPQGVNAFPATS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1512\\_a04.zip](https://cdn.origene.com/chromatograms/ja1512_a04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_033351

**ORF Size:** 1098 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq Size:** 1550 bp

**RefSeq ORF:** 1101 bp

**Locus ID:** 29558

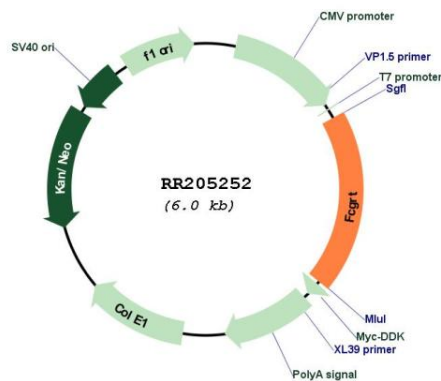
**UniProt ID:** [P13599](#)

**Cytogenetics:** 1q22

**MW:** 40.2 kDa

**Gene Summary:** binds and transports maternal immunoglobulin gamma from milk; plays a role in providing maternal immunity to neonates [RGD, Feb 2006]

**Product images:**



Circular map for RR205252