

## Product datasheet for **MC200332**

### Fcgrt (BC003786) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fcgrt (BC003786) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fcgrt  
**Synonyms:** FcRn  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC003786  
 CTGGAGGCTCTAAGCAGAGGATCCATCGGCTGCAGGCAGAGGGAAGAGGGCCTCTGTGAGGAACAGGCTG  
 AGCGTCAGAGGAGGAGGCCAGGCTGGTTCTCTAGCTCTGTAATTAATTAAGTAAAGTGGATCAAATGA  
 GAAGGTGAAAGTTCACAGAGGAACACTCCTGTCTGCTGCTTGGACTGGGTCTCCATCCCACCATCCAGC  
 GTCCCTGGTCTACGAAGAGTCCACAGGGACCTTGTGAAGAATCAACAAGGCGGGTCCAGAGGAGTACGT  
 GTCCCTCCACTCCGGGTCAACCTGTGCGAATGGGGATGCCACTGCCCTGGGCCCTCAGCCTCTTGTGG  
 TCCTCCTGCCTCAGACCTGGGGCTCAGAGACCCGCCCCCACTGATGTATCATCTCACGGCTGTGTCAA  
 CCCATCTACGGGGCTTCCCTCTTTCTGGGCCACAGGCTGGTTGGGTCTCAGCAGTATCTGACCTACAAC  
 AGCCTGCGGCAGGAAGCTGACCCCTGTGGGGCCTGGATGTGGGAAATCAGGTGTCTTGGTATTGGGAGA  
 AGGAGACCACAGACCTCAAAGCAAAGAACAGCTCTTCTTGGAGGCCCTCAAGACCCTGGAGAAGATATT  
 AAATGGTCAGAAGAGGGGACCTACACACTGCAGGGCCTGCTGGGCTGTGAAGTGGCCTCGGATAATTCC  
 TCAGTGCCACAGGCTGTGTTGCCCTCAATGGTGAAGGAGTTTATGAAATCAACCAAGAATCGGCAATT  
 GGACTGGGGAGTGGCCTGAGACGGAAATCGTTGCTAATCTGTGGATGAAGCAGCCTGATGCGGCCAGGAA  
 GGAGAGCGAGTTCCTGCTAAACTCTTGTCCGGAGCGACTGCTAGGCCACCTGGAGAGGGGCCGACGGAA  
 CTGGAGTGAAGGAGCCCGCTATGCGCCTGAAGGCCCGTCTGGCAACTCTGGCTCCTCCGTGCTGA  
 CCTGTGCTGCTTCTCCTTCTACCCACCGAGCTCAAGTCCGATTCTGCGCAATGGGCTAGCCTCAGG  
 CTCCGGGAATTGCAGCACTGGTCCCAATGGAGATGGCTCTTCCACGCATGGTCATTGTGAGGTCAAA  
 CGTGGAGATGAGCACCATTATCAATGTCAAGTGGAGCATGAGGGGCTGGCACAGCCTCTCACTGTGGACC  
 TAGATTCATCAGCCAGATCTTCTGTGCCTGTGGTTGGAATCGTTCTTGGTTTATTGCTGGTGGTAGTGGC  
 CATCGCAGGCGGTGTGCTGTGGGGCAGGATGCGCAGCGGTCTGCCAGCCCCATGGCTTCTCTCAGC  
 GGCGATGACTCTGGTACCTGTTGCCTGGTGGGAACTGCCCCAGAAGCTGAACCTCAAGGTGCAAAATG  
 CCTTCCAGCCACTTCTGATGCAGACTCGGGCCCCCTGCCACTGCAGCCTTTCGGGCTGTGTGACCTC  
 CTGAACTGTCTCCGAGCCTCCTGAGGGAGCCTGGGCCGATGTCTCCCATGGATCCCTGCTTTTGTGGC  
 CTGCTTCAAGTTCCCTTCTAATGTACATGTTGTTTCCATCTCCACATAAATTTGGCCCCAAAAAAA AAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	BC003786
<b>Insert Size:</b>	1110 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC003786</a> , <a href="#">AAH03786</a>
<b>RefSeq Size:</b>	1617 bp
<b>RefSeq ORF:</b>	1110 bp
<b>Locus ID:</b>	14132
<b>Cytogenetics:</b>	7 29.12 cM
<b>Gene Summary:</b>	Binds to the Fc region of monomeric immunoglobulins gamma (PubMed:7504013). Mediates the selective uptake of IgG from milk and helps newborn animals to acquire passive immunity. IgG in the milk is bound at the apical surface of the intestinal epithelium. The resultant FcRn-IgG complexes are transcytosed across the intestinal epithelium and IgG is released from FcRn into blood or tissue fluids (By similarity). Possible role in transfer of immunoglobulin G from mother to fetus (By similarity).[UniProtKB/Swiss-Prot Function]