

## Product datasheet for **RN202506**

### **Ggcx (NM\_031756) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ggcx (NM_031756) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ggcx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN202506 representing NM\_031756  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGTCCACCGTGGCTCTGCACGAGCTGCTCCCGCCTCAGATAAAGTACAGAAAAACAAGCCTGCAC  
 AGACATCGGGGCTGGAACAGGGCAGCCGAATGGCGAGAATTTTTGGGTTTGAATGGGCAGATTTATCCAG  
 CTGGCAGAGTGTCTGACCCCTACTTAACCGACCAACGGACCCCTGCAAACCTGGCTGTCTTCCGTTTTCTC  
 TTTGCATTCTTGATGCTGCTGGACATCCCCAGGAACGGGGCCTTAGCTCCCTGGACCGAAAACTTGG  
 ATGGGCTGGATGTGTGCCGCTTCCCCTTCTGGATGCCTTGCGCCACTGCCACTGACTGGATGTATCT  
 CGTCTACACCATCATGTTTCTGGGGCCTGGGCATGATGCTGGGCTGTGGTACCGGCTAAGCTGTATG  
 TTATTCTGCTACCATACTGGTACGTGTTTCTCCTGGACAAGACATCGTGAACAATCACTCCTATCTGT  
 ATGTTTTGTTGGCCTTTCAGTTGACATTCATGGATGCAAACCACTACTGGTCTGTGGATGGCCTGCTGAG  
 TGCCAAAAGAAGTGTCTCACGTGCCCTTTGGAACACACAGTCTGCGTGGCCAGATCTTCATTGTG  
 TATTTTCATTGCGGGTGTAAAAAGCTGGATGCTGACTGGGTTGAGGGCTACTCCATGGAGATTTGTCCC  
 GGCACTGGCTTTTTAGTCCCTTCAAGCTAGTGTGTGCGGAGGAGCTGACAAGCCTGCTGGTGGTACACTG  
 GTGTGGGCTTCTCCTTGACCTCTCGGCTGGCTTCTGCTTCTTCGATGCCTCCAGACCCATTGGCCTC  
 GTCTTCGTGTCCTACTTTCAGTGCATGAACTCGCAGCTTTCAGTATAGGTATGTTCCCTATGTATGC  
 TGGCCAGCAGCCCTCTTCTGCTCAGCTGAATGGCCTCGGAAGCTGGTAGCCCGATGCCGAAAAGGCT  
 GCAAGAGCTGTGCTGCCAAGCTGCTCCTCGGCTAGTGTTCCTGTGTGATAAGAGGGCCCGGGCG  
 AAAGCTGGTCAAAGCCAGGCCACGCCACCCTGCGAACTGTCTTACCCTGCTACCTTCTGGAGC  
 AGCTCTTCTGCCCTATTCCCATTCTCACGCAGGGTTACAACAACCTGGACGAATGGGCTGTATGGCTA  
 TTCTGAGCATGATGGTGCACCTCCCGCTCCACAGCATGTAAGATCACCTACCGTATGGCCTCACT  
 GGAGAGCTGGGCTACCTAACCTGGGGTATTCACACAGAGCCGCGCTGGAAGGACCATGCAGACATGC  
 TGAAGCAATATGCCACTTGCCTGAGCCTCCTGCTTCCCAAGTACAATGCTACTGAGCCCCAGATCTACTT  
 TGATATCTGGGTCTCCATCAATGACCGCTTCCAGCAGAGGCTTTTTGACCCTCGCGTGGACATCGTGAC  
 GCCGTGTGGTCCCCTTCCGGCGCACGCCCTTGGGTGCAGCCACTTGTATGGACTATCTCCCTGGAGGA  
 CCAAGTTACAAGACATTAAGAGCAGTCTGGACAACCACACTGAGGTGGTCTTCATTGCAGATTTCCCTGG  
 GCTTCACTTGGAGAATTTGTGAGTGAAGACCTGGGCAACACCAGCATCCAGCTGCTGCAGGAGAAGTC  
 ACTGTGGAATTTGGTGGCAGAACAGAAAAACCAGACTCTTCGAGAAGGAGAGAAAAATGCAGTTGCCTGCTG  
 GAGAGTACCATAAAGTCTATACTGTATCATCTAGTCTTCTGCTACATGTACATCTATGTCAACACTAC  
 AGAGGTCGCACTGGAGCAAGACCTAGCATATCTGCAAGAATTAAGGAGAAGGTGGAGAACGGAAGTGAA  
 ACAGGGGCCCTGCCTCCAGAACTTCAGCCTCTTTTGAAGGGGAAGTAAAAGGGGGCCCTGAGCCAAAC  
 CTCTGGTCCAAACCTTTCTGAGACGGCAGAGGAAGCTCCAAGAAATTAAGCAAGGCGAAATAGCCCTTT  
 GCATGAGCGCTTCTCCGCTTTGTGCTGCGGAAGCTGTATGTCTTTCGACGCAGCTTCTGATGACTCGA  
 ATTTCACTTCGAAACCTGCTATTTGGCCGCCCTCCCTAGAGCAATTAGCCCAAGAGGTGACATATGCAA  
 ACTTGGCACCATTGAACCAGTTGATGAGTCAAGTGCCTCAAACACAGATTCTCCGATCCTCATCCTTC  
 AGAGCCAGATTCTGAGCATGTTCACTCTGAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031756

**Insert Size:** 2277 bp

**OTI Disclaimer:** 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>	<u><a href="#">NM_031756.1</a></u> , <u><a href="#">NP_113944.1</a></u>
<b>RefSeq Size:</b>	2754 bp
<b>RefSeq ORF:</b>	2277 bp
<b>Locus ID:</b>	81716
<b>UniProt ID:</b>	<u><a href="#">O88496</a></u>
<b>Cytogenetics:</b>	4q31
<b>Gene Summary:</b>	catalyzes the posttranslational modification of glutamate to gamma-carboxyglutamate (Gla); may mediate functions of vitamin K-dependent proteins (VKDPs) [RGD, Feb 2006]