

Product datasheet for **MC221380**

Ggcx (NM_019802) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggcx (NM_019802) Mouse 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: >MC221380 representing NM_019802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGTGCACCGCGGCTCCGCACTGGTTGCTCCCGCCTCAGATAAAGTACAGAAAAACAAGTCTGCAC
 AGACATCAGGACTGAAACAGGGCAGCCGAATGGAGAAAAATTTAGGGTTTGAATGGACAGATTTATCTAG
 CTGGCAGAGTGTCTGACCCCTGCTTAACAAACCAACGGACCCCTGCAAACCTGGCTGTCTTTCGTTTTCTC
 TTTGCTTCTTGATGCTGCTGGACATTCGCCAGGAACGCGGCCTTAGCTCCCTGGACCGAAAAACTTGG
 ATGGGCTGGATGTGTGCCGTTTCCCTTCTGCTGGATGCCTTGCGCCACTGCCACTGGACTGGATGTATCT
 TGTCTACACCATCATGTTTCTGGGGCACTGGGCATGATGCTGGGGCTATGCTACCGCTAAGCTGTGTG
 TTATTCCTGCTACCGTACTGGTACGTGTTTCTCCTGGACAAGACTTCGTGGAACAATCACTCCTATCTGT
 ATGTTTTGTTGGCCTTTCAGTTGACATTCATGGATGCAAACCACTACTGGTCTGTGGATGGCTTGTGAA
 TGCCCGAAAGAAGTGTCTCACGTGCCCTTTGGAACACACAGTTCTGCGTGGCCAGATCTTCATCGTG
 TACTTCATCGCGGTGTGAAGAAGCTCGATGCTGACTGGGTTGGGGGCTACTCCATGGAGACCTGTCCC
 GGCACTGGCTCTTCAGTCCCTTCAAGCTGGTGTGTCGGAGGAGCTGACAAGCCTGCTGGTAGTACTG
 GTGTGGGCTTCTCCTTGACCTCTCGGCTGGCTTCTGCTCTTCTTTGATGCCTCCAGACCCGTCGGCCTG
 TTCTTCGTGTCCTACTTTCAGTGCATGAACTCGCAGCTTTCAGCATCGGGATGTTTCCCTATGTATGC
 TGGCCAGCAGCCCTCTTCTGCTCAGCTGAATGGCTCGGAAGTTGGTAGCCCGATGCCGAAAAGGCT
 GCAAGAGCTGTGCCACCAAGCCGCTCCTCGGCTAGTGTTCCTGTGTGATAAGAGTCCCAGGGG
 AAAGCTGGCCGAAGCCCGGCTGCGCCACCAGCTGGGAGCCATTTACCCCTGCTACCTCCTAGAGC
 AGCTCTTCTGCCCTATTCACCTTCTGACCCAGGGTTACAATAACTGGACAAAATGGGCTGATGGCTA
 TTCTGCGGACATGATGGTGCACCTCCCGCTCCACCAGCAGCTAAAGATCACCTACCGCGACGGCCTCACG
 GCGAGCTGGGCTACCTAACCCTGGGGTATTCACACAGAGCCGCGATGGAAGGATCATGCAGACATGC
 TGAAGCAATATGCCACTTGCCTGAGCCTCCTGCTTCCCAAGTACAATGCTACTGAGCCCCAGATCTACTT
 TGATATTTGGGTCTCCATCAATGACCGCTTCCAGCAGAGGCTTTTTGACCCCTCGTGTGGACATCGTGAC
 GCTGTCTGGTCCCCTTCCAGCGCACACCTTGGGTGCAGCCACTTGTATGGATTATCTCCCTGGAGGA
 CCAAGTTACAGGATATTAAGAGCAGTCTGGACAACCACACCGAGGTGGTCTTCATTGCAGATTTCCCTGG
 GCTTCACTTGAGAATTTGTGAGTGAAGACCTGGGCAACACTAGCATCCAGCTGCTGCAGGAGAAGTC
 ACCGTGGAATTTGGTGGCAGAACAGAAAAATCAGACTCTTCAAGAAGGAGAGAAAAATGCAGTTGCCTGCTG
 GAGAGTACCATAAAGTCTATACTGTATCATCTAGTCTTCTGCTACATGTACGTCTATGTCAACACTAC
 AGAGGTCGCACTGGAGCAAGACCTGGCATATCTGCAAGAATTAAGGAGAAGGTGGAGAACGGAAGTGAA
 ACAGGGCCCTGCCTCCAGAACTTACGCTCTTTTGAAGGGGAAGTAAAAGGGGGCCCTGAGCCAAAC
 CTCTGGTCCAACTTTTCTCAGACGACAGAGGAAGCTCCAAGAAATTAAGCGCAGCGGAAATAGCCCTT
 CCATGAGCGATTTCTCCGCTTCTGTGCTGCGAAAGCTCTACGTCTTTCGACGCAGCTTCTGATGACTCGA
 ATTTCACTCCGAAACCTGCTATTAGGCCGCCCTCCCTAGAGCAACTAGCCCAAGAGGTGACATATGCAA
 ACTTGCGACCATTTGAACCAGTTGATGAGTCAAGTGCTTCAAACACAGATTCTTCAAATCACCCGTCAGA
 GCCAGATTCTGAGCATGTTCACTCTGAGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019802

Insert Size: 2274 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).

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:	<ol style="list-style-type: none">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:	<u>NM_019802.5, NP_062776.1</u>
RefSeq Size:	3323 bp
RefSeq ORF:	2274 bp
Locus ID:	56316
UniProt ID:	<u>Q9QYC7</u>
Cytogenetics:	6 C1
Gene Summary:	Mediates the vitamin K-dependent carboxylation of glutamate residues to calcium-binding gamma-carboxyglutamate (Gla) residues with the concomitant conversion of the reduced hydroquinone form of vitamin K to vitamin K epoxide.[UniProtKB/Swiss-Prot Function]