

## Product datasheet for **RR205005**

### **Gba (NM\_001127639) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gba (NM_001127639) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gba
Synonyms:	MGC188451
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR205005 representing NM\_001127639  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGCCAGGTTTCATAGGACTCTTCTATTTAGGCCATATCTGGGCATATGGTGCCCAACCCTGCA  
 TCCCCAAAAGTTTTGGCTACAGCTCAGTGGTCTGTGTCTGCAATGCAACGTAAGTGTGACTCTTTGACCC  
 CCTGACCTTACCGGCTCTGGGTACCTTCAGCCGTTATGAGAGTACTCGAAGCGGACGTCGGATGGAGCTG  
 AGTACCGGGTCCATCCAGGCCAACCGCACTGGCACAGGGCTCCTACTAACCTTGCAGCCAGAAGAGAAGT  
 TCCAGAAAGTAAAGGATTTGGAGGTGCCATGACAGATGCCACTGCGCTCAACATCCTTGCCTTGTCCCC  
 CCCGGCTCAGAACTGCTACTCAAGTCTACTTCTCTAGCGAAGGCATTGAGTATAACATCATCCGGGTA  
 CCCATGGCCAGTTGTGACTTCTCCATCCGCATCTACACCTATGCTGACACCCCTAATGACTTCCAGTTAT  
 CCAACTTCAGCCTCCCGGAGGAAGACCAAGCTCAAGATACCCCTGATTCACCGAGCCCTGAAGATGTC  
 CCCACGCCCATTTCACTCTTTGCCAGTCCCTGGACATCACCCACTTGGCTCAAGACCAATGGAGCAGTG  
 AATGGGAAAGGGTCACTCAAGGGTCAACCAGGGGATATCTATCACGAGGCTGGGCAATTACTTTGTCA  
 AGTTTCTGGATGCTTATGCTACACACAACATCAAATTCTGGGCAGTGACAGCGGAGAATGAACCCCTGTC  
 AGGGCTCTTCACTGGGTACCCCTTCCAATGCCTGGGCTTCACTGCTGAACATCAGAGAGACTTTATTTCC  
 CATGATCTAGGGCCAGCCCTTGCCAACAGTTTCTCATGATGTGAAGCTACTCATACTGGATGATCAGCGGC  
 TGCTGCTACCCCGCTGGGCACAGGTGGTCTCTGACCCAGAGGCGAGCAAGTACGTTTCATGGCATCGC  
 TGTCCACTGGTATATGGATTTCTGGCTCCAGCCAAAGCTACTTTAGGAGAGACACCCGCTTGTCCCC  
 AACATGATGCTCTTTGCTTCAGAGGCTCGCTGGGCTCCAAGTTCTGGGAGCAGAGTGTTCGGTTAGGCT  
 CCTGGGATCGAGGGATGCAGTACAGTACAGCATCATTACGAACCTCCTTTACCACGTAAGTGGATGGAC  
 TGACTGGAACCTTGCCCTGAATCCTGAAGGAGGCGCCAACTGGGTCGCAACTTCGTTGATAGCCCCATC  
 ATTGTCGACATCCCCAAAGACACATTTTACAAGCAGCCATGTTCTACCATCTTGGCCACTTCAGCAAGT  
 TCATCCCTGAGGGATCTCAGCGAGTGGGCTTGGTGGCCAGTGAGAAGACCGACTTGGAAACAGTGGCACT  
 GATACGCCCTGATGGCTCTGCAGTTGTGGTCTGTTAAACCGATCGTCTAAGGATGTCCCTCTTACCATC  
 AGTGATCTGCCCTGGGCTTCATGGAGACCATCTCACCTGGCTACTCCATTACACTTACCTATGGCGTC  
 GCCAGGCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205005 representing NM\_001127639  
 Red=Cloning site Green=Tags(s)

MAARFIGLFLFQAISWAYGAQPCIPKSFYSSVVCVFNATYCDSLDPLTLPALGTFSTRYESTRSGRRMEL  
 STGSIQANRTGTGLLLTLQPEEFQKVKFGGAMTDALNILALSPPAQKLLLSYFSSEGEIENIIRV  
 PMASCDFSIIRIYTYADTPNDFQLSNFSLPEEDTKLKIPLIHRALKMSRPISLFAWPWTSPWLKTNGAV  
 NGKGSLSKHPGDIYHEAWANYFVKFLDAYATHNIKFWAVTAENEPSAGLFTGYPFQCLGFTAHQRFIS  
 HDLGPALANSSHDVKLLILDQRLLLPRWAQVVLSDPEAAKYVHGI AVHWYMDFLAPAKATLGETHRLFP  
 NMMLFASEACVGSKFWEQSVRLGSWDRGMQYSHSIITNLLYHVTGWDWNLALNPEGGPNWVRNFVDSPI  
 IVDIPKDTFYKQPMFYHLGHFSKFIPEGSQRVGLVASEKTDLETVALIRPDGSAVVVVLNRSSKDVPLTI  
 SDPALGFMETISPGYSIHTYLWRRQA

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1701\\_d01.zip](https://cdn.origene.com/chromatograms/ja1701_d01.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001127639

**ORF Size:** 1545 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:** [NM\\_001127639.1](#), [NP\\_001121111.1](#)

**RefSeq Size:** 2159 bp

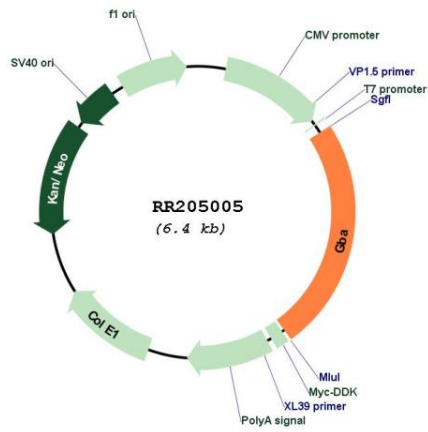
**RefSeq ORF:** 1548 bp

**Locus ID:** 684536

**Cytogenetics:** 2q34

**MW:** 57.5 kDa

Product images:



Circular map for RR205005