

Product datasheet for **RR207227**

Gba2 (NM_001013091) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gba2 (NM_001013091) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gba2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR207227 representing NM_001013091
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAACCTGCGTACCTGCCTCCGAGCAGATCGGCTGTGCGAAAGAGATTCACAAATTTATAGTGAAG
 ATACTGGAGGCACTGAGGCTGTGCGGGTTACAGACTGCCGGAGCCGGAGGACAGTGGACCCAGAATGA
 GCCAGGCTACTGCAATTCAGAGGACTCTGGGCAGCTGATGGCTCCTACGAGGGTAAAGCTAGGGGCTAC
 CAGGTGCCTCCTTTGGCTGGCGGATTTGCTTGGCTCACGAGTTTGCAGAGAAGAGGAAACCTTTTCAGG
 CTAACAACGTCTCTCAGTAATTTGGTAAAGCATTTTCGGTATGGGCTTGAGGTACTTGAAGTGGTGGTA
 CCGGAAGACGCAGGTGAAAAGAAGACCCCTTTCATCGACATGTTCAATTCGTACCCCTGAGACAGATC
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 GGCAGCTTAATCCTGGAATGTACCAGCACCAGACAGTCATTGCAGACCAATTTATAGTATGCTTGCCTCG
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 GGCTGTGTGGTTATTTTGTCTTACCACGCCCTCTATCCCGAGCCTGGACAGTCTATCAGTTCCTG
 GCCAGAATGTCACCCCTACCTGTGCGCCAGATCACACCTATCTTGCCTCATGATTACCAGGACAGCAGCCT
 CCCCGTAGGAGTGTGGTGGGATGTAGAGAATGAAGGAGATGAGACTCTGGATGTGTCCATCATGTTC
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 AACAGGATGGGACGACTGTACAGGGGCTACTCTGCATCATCAACCCCTCCGAACCCCTACACCATGGC
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 CAGCAGGTGTGGCAGGACTACTTCAAGATGGACAGCTGGACTCCCTGCTGGCCAGAGCAGCCCGACAC
 AGAGAGGAGAGGGTGTGCTGGGCTGTATGTGCCTCCAGCAAGCTGTGCCACGAGCCGCTGTGCTT
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 CAAATCTGCACTGTTCAATGAATACTTCTGGCTGATGGAGGCACGGTGTGGCTGGAAGTTCCTGAA
 GACTCCCTACCAGAGGAGCTGGGAGGGAGTATGTACCAGCTGCGCCCTATTCTGCAGGACTATGGGCGAT
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 TCTCGTATGCTGTGGCCAAACTTGAGCTCAGTCTTCAATGATATGGCTCTGGCAACTTCAAGGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207227 representing NM_001013091
 Red=Cloning site Green=Tags(s)

MVTCVPASEQIGCAERDSQIYSEDTGGTEAVRVTDRCSPEDSGPQNEPGYCNSEDSGQLMASYEGKARGY
 QVPPFGWRICLAHEFAEKRPQANNVLSNLVKHFGMGLRYLKWYRKTQVEKKTPIIDMFNSVPLRQI
 YGCPGGIGGGTITRGWRGQFCRWQLNPGMYQHQTVIADQFIVCLRRDGRTRYQQVLSLELPSVLRSWNW
 GLCGYFAFYHALYPRAWTVYQLPGQNVTLTCRQITPILPHDYQDSSLPGVGFVWDVENEGDETLDVSIMF
 SMRNGLGGEDDAAGGLWNEPFRLEQDGTTVQGLLLHHPNPPNYTMAVAARHTADTTVYTTAFDPDSTG
 QQVWQDLLQDGGQLDSPAGQSTPTQRGEGVAGAVCASSKLLPRGRCCLEFSLAWDMPRIMFGAKGQVHYRR
 YTRFFGSDGDVAPALSHYALCQYAGWENSISAWQNPVLDLDRSLPAWYKSALFNELYFLADGGTVWLEVPE
 DSLPEELGGSYQLRPILQDYGRFGYLEGQEQYRMYNTYDVHFYASFALVMLWPKLELSLQYDMALATFKE
 DLTRRRYLMMSGVVAPVKRRNVIPHDIGDPDDEPWLRVNAYLIHDTADWKDLNLKFLVQVRYDYLTGDQG
 FLKDMWPVCLAVMESEMKFDKQDGLIENGGYADQTYDGWVTTGPSAYCGGLWLA AVAVMVQMAVLCGAQ
 DVQDKFSSILCRGREAYERLLWNGRYNYDSSSQPQRSVMSDQCAGQWFLRACGLGEGDTEVFPTLHVV
 RALKTIFELNVQAFAGGAMGAVNGMQPHGVDRSSVQSDEVWVGVVYGLAATMIQEGLTWEGFRTAEGCY
 RTYWERLGLAFQTPEAYCQQRVFRSLAYMRPLSIWAMQLALQQQHKKNSRPAVTQGTAPSTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

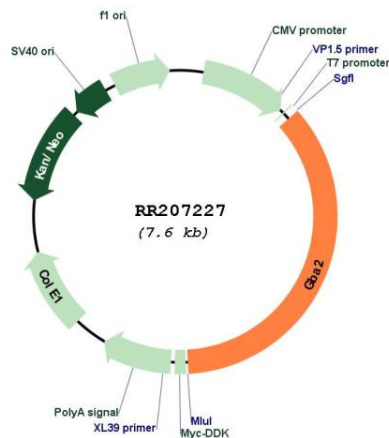
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001013091
ORF Size:	2712 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:	<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_001013091.2, NP_001013109.2</u>
RefSeq Size:	3022 bp
RefSeq ORF:	2715 bp
Locus ID:	298399
Cytogenetics:	5q22
MW:	101.8 kDa

Product images:



Circular map for RR207227