

Product datasheet for **RR200749**

Glrb (NM_053296) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glrb (NM_053296) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glrb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200749 representing NM_053296
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTTTTCTGGCAGTCTCCTTTTTTATTTAATGCCTTGTGTTGAAGACGCTTGTCTAAGG
 AAAAGTCTTCCAAGAAAGGGAAGGGGAAAAAGAAGCAGTATTTGTGCCATCTCAACAGTCGGCCGAGGA
 CCTTGCCCGTGTGCCCCCAACTCCACCAAGCAATATCTTGAACAGGCTGTGGTCAAGTTATGATCCAGG
 ATAAGACCAAACCTCAAAGGCATTCTGTTGATGTAGTAGTCAACATTTTTATTAATAGTTTTGGATCTA
 TTCAAGAGACAACAATGGACTATAGAGTTAATATTTTCTGAGGCAGAAGTGAACGACCCAGACTCAA
 GCTCCCTAGTGACTTCAGAGGCTCAGATGCACTGACAGTTGACCCACCATGTATAAGTGCTTGTGGAAG
 CCCGACTATTCTCGCAAATGAAAAAGTGCCAAATTTTCATGATGTAACCAAGAAAACATCTGTTGT
 TTATTTTTCGGGATGGAGACGTCCTTGTGAGCATGAGGTTGCCATCACTCTTTCATGTCCTTTGGACTT
 AACTCTGTTTCCATGGACACACAACGCTGCAAGATGCAACTTGAGAGCTTTGGTTACACCACTGATGAT
 TTGAGATTCATCTGGCAGTCAGGAGATCCTGTTCAAGTTGAAAAAATGCTTTGCCTCAGTTTGATATTA
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 GGTCACTTACACCTGAGGAGACAGGTTGGGTTTACATGATGGGTGTGTATGCACCAACCTGCTGATT
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 GGCAGCCAAGCGCATTGACCTCTATGCAAGAGCATTATTTCCCTTCTGCTTCTTGTCTTCAACGTATA
 TATTGGTCTATATTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR200749 representing NM_053296
 Red=Cloning site Green=Tags(s)

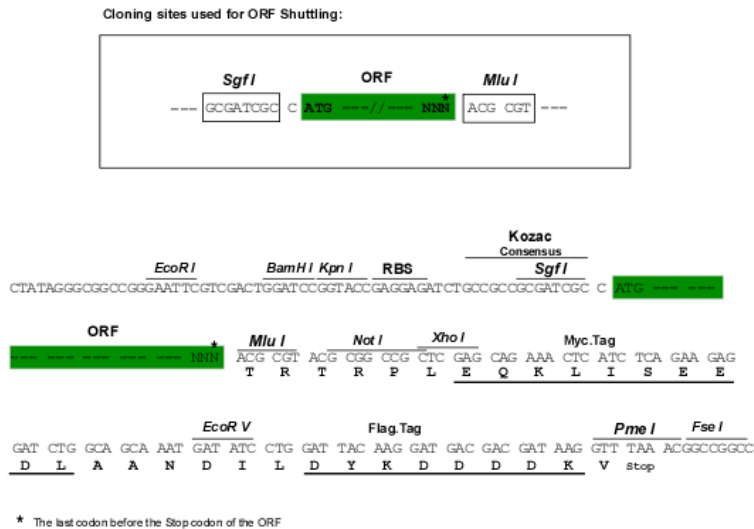
MKFLAVSFFILMSLLFEDACSKKSSKKGKGGKQYLCPSQQAEDLARVPPNSTSNILNRLLVSYDPR
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 PDLFFANEKSANFHVDVTQENILLFIFRDGDLVSMRLSITLSCPLDLTFPMDTQRCKMQLESFGYTTDD
 LRFIWQSGDPVQLEKIALPQFDIKKEDIEYGNCTKYYKGTGYTCEVIFTLRRQVGFYMMGVYAPLLI
 VVLSWLSFWINPDASAARVPLGIFSVLSLASECTTAAELPKVSYVKALDVWLIACLLFGFASLVEYAVV
 QVMLNPNKRVEAEKARIAKAEQADGKGGNAAKKNTVNGTGPVHISTLQVGETRCKKVCSTKSDLRSNDF
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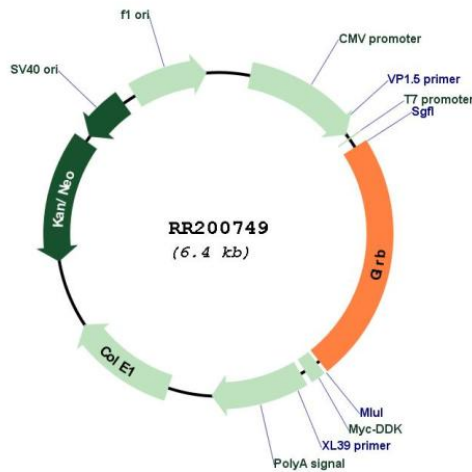
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_053296

ORF Size: 1488 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_053296.1](#), [NP_445748.1](#)

RefSeq Size: 1491 bp

RefSeq ORF: 1491 bp

Locus ID: 25456

UniProt ID: [P20781](#)

Cytogenetics: 2q33

MW: 55.9 kDa

Gene Summary: plays a role in synaptic transmission [RGD, Feb 2006]