

Product datasheet for **RN204718**

Grb14 (NM_031623) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grb14 (NM_031623) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grb14
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204718 representing NM_031623
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACGTCCCTGCAAGATGGCAGAGCGCCGCGGGCCGGCGGGCGCCAGGACTCCCCGCTGGCAG
 TGCAGGTGTGCCGCTTGCCTCAGGGCAAGGGAGACGCCAGGACCCGGCTCAGGTCCCCGGACTGCACGC
 GCTGTCCCCGGCCTCAGATGCGACCCGCGCGGTGCCATGGACAGGAGAAAAGCGAAAGATCTGGAAGTT
 CAGGAAACGCCTTCCATTCTAACCCCTTCCCTGAGCTCTGCTGTTCTCCTACTTACATCGGTGCTGTGAG
 CAGGCCTTCCCCAGATCAAATTAAGGAAGAAAACAGGTGATTAAGTTTACAGCGAGGATGAGACCAG
 CAGAGCGTTAGAGGTGCCAGTGACGTACAGCCCGTATGTCTGCCAGCTGTTGATCCTGAAGAACCAC
 TATGTCGACGACAATAGCTGGACCCTTTTGGACCTGTCTCACACAGGCGTAGAAAGGACAGTGGAGG
 ACCATGAGCTGCTGACTGAAGTGTCTCATTGGGTGATGGAAGAAGATAATAAGCTGTATCTTAGAAA
 GAATTATGCCAAATATGAATTTTTTAAGAACCCAAATGTATTTCTTCCAGAGCACATGGTGTCTTTTGA
 ACTGAAATGAACGGTGACAGATCCCTTACACAGATCCCGCAGGTGTTTTAAGCTCAAACACATATCCTG
 AAATCCATGGCTTCTGCATGCAAAGGAACAGGGGAAGAAGTCTTGAAAAAAGCTTACTTTTTTCTCAG
 AAGATCTGGTTTTATTTTTCTACTAAAGGCACATCCAAGGAACACGGCACTTGCAAGTTTTTCAAGTAA
 TTCAGCACTAGTAATGTTTACATGTCACTGGCAGGCAAAAAAAGCATGGAGCGCCGACTCCCTATGGAT
 TCTGCTTAAAGCTACCAAAGCAGGAGGGCCCCGGGACCTGAAAAATGCTGTGTGCAGAAGAAGACCAAAG
 CAGGATGTGCTGGGTGACCGCCATTAGATTGCTCAAGTATGGCATGCAGCTCTACCAGAATTATATGCAT
 CCATCCCAAGCTAGAAGCGCCTGCAGTTCTCAGAGCGTATCAGGATGAGAAGCGTATCAGAGAATTCCC
 TAGTACAATGGACTTCTCAGTACAGAAGACAGAGTATAGACAACCCCACTGAAGCCCTTTCGGTTGC
 CGTTGAGGAAGGACTCGCTTGGAGGAAAAAAGGATGTTTACGCTGGGGAATCATGGGAGTCCCAGTGGC
 CCCTCTCAGAGCTCTGCTGTGAACATGGCTCTCCACCGTCCCAGCCATGGTTTACCACAGAATTTCTA
 GAGATGAAGCTCAGCAGTTGATTACCCGGCAGGGCCTGTGGATGGAGTTTTCTTGGTACGGGATAGTCA
 GAGTAACCCAGAACTTTTGTACTGTCAATGAGTACGGACAAAAGATAAAAACACTTTCAAATTATACCC
 GTGGAAGATGATGGTGGGTGTTCCACACCCTGGATGATGGCCATACGAAGTTCACAGATCTCATCCAGC
 TCGTGGAGTTCTACCAGCTCAACAAGGGGTCTTCTTGAAGCTGAAGCATTACTGTGCTAGGATGGC
 TGTT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031623

Insert Size: 1617 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:

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_031623.1](#), [NP_113811.1](#)

RefSeq Size: 1950 bp

RefSeq ORF: 1617 bp

Locus ID: 58844

UniProt ID: [O88900](#)

Cytogenetics: 3q21

Gene Summary: member of the Grb7 subfamily of adapters; functions as inhibitor in insulin-mediated pathways [RGD, Feb 2006]