

Product datasheet for **RN217292**

Gramd1b (NM_001191616) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gramd1b (NM_001191616) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gramd1b
Synonyms:	RGD1305443
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217292 representing NM_001191616

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCGCGCAGCCAACATGATGGAGAACCTGCAGCTGCCCGCCCTGCAGGTGCCAGAGCCTCAGGGCGCGC
 CGGAGGGCAGCGCGGTGTGGTCCAGCTCGTCCACCCACGCTCCGCGCGCGCGCTTTAAGATGCGCCG
 GATGAAGAACGTGCAGGAGCAGAGCCTGGAGGCGGGGCTGGTAGCCCGGACCTACCGGGCGTCTTGCC
 CCCGGCAAGGAGTTCTGCAACTGCCGTCCATTGAGATTACGCCCTCCAGCGACGAGGACACCCCGTGGT
 CCAACTGTTCCACACCCAGCGCTCCCCGCGCCGAAAACGCTTCTGCTCCGCAAGTGGTGAGGGTGAG
 GGAGCGGAAGGAGTGAGTGAGAGCAGCAGCCAGCAGAGCAGCCAGCAGAGCAGCCACGACGATGATTCC
 AGCAGGTTCTGAGTCTCGAGTGCAGGAAGAAAGCACTGCCAGTAACCTCAACCGCAGCAGCCGGCCT
 GCTCTCCCATCTCCGGAAGCGGTCCGCTCACCACACACAGAACAGGAGCAGGAGACCATGGTGGA
 AAAGGGCTCAGTCACTCTCGGACAAGTCCCCATCCACCCAGAGCAGGTGTGCAACGCAGTTGCTCC
 TCACAGTCTGGTCGGAGCGGTGGTAAAAATTCCAAGAAAAGCCAGAGTTGGTACAATGTGCTAAGCCCCA
 CTTACAAGCAGAGAAATGAAGACTTCAGAAAGCTCTTCAAGCAACTCCCAGACACGGAGCGCCTCATTGT
 TGATTACTCTTGTGCACTCCAAAGAGACATTCTTCTCAGGGCCGACTCTACCTCTCAGAGAATTGGATC
 TGCTTCTACAGCAACATCTTCCGCTGGGAACTCTGCTGACAGTCCGTTTGAAAGATATCTGCTCCATGA
 CTAAAGAGAAAACAGCTCGCCTCATTCCCAATGCCATCCAAGTCTGCACTGATTCAGAAAAGCACTTTT
 TACTTCATTTGGAGCCCGGATAGGAGCTACATGATGATGTTCCGGCTCTGGCAGAATGCTCTCCTCGAA
 AAGCCCTGTGCCCAAGGAGCTCTGGCACTTTGTCCACAGTGCTACGGGAACGAGCTGGGTCTAACCA
 GTGATGACGAGGACTACGTGCCTCCAGACGATGACTTCAACACGATGGGCTACTGCGAGGAGATCCCCAT
 AGAAGAGAATGAGGTGAATGACAGCTCATCCAAAAGCAGCATAGAGACCAAGCCGGATGCCAGCCACAG
 CTGCCCCAAGAAGTCTATACCAACAGCACACTGACATCTACGGGAAGCAGTGAAGCCCCGTCTCGTTTG
 ATGGCTTGCCGTTGGAGGAAGAGGTGATGGAGGTGACGGGTCCCTAGAGAAGGAACTTGCCATTGACAA
 CATCATAGGGGAGAAGATCGAGATCATGGCGCTGTGACCTCCCTTCACTAGACTTCAATGACAATGAG
 GATATCCCCACCGAGCTCAGTGATTCTTCAGATACCCACGATGAAGGAGAGGTCCAGGCCTTCTATGAGG
 ACCTAAGTGGAAGACAGTATGTGAACGAAGTCTCAACTTCAGCGTGGACAACTCTATGACCTGCTGTT
 CACCACCTCACCCTTTCTGCGGGACTTCATGGAGCAGCGCGCTTCTCTGATATCATCTTCCACCCATGG
 AAAAGGAGGAGAATGGAACACAGAGTCGAGTGATTCTCTACACTATCACCTTACTAATCCTCTGGCTC
 CAAAACGGCCACTGTACGGGAGACACAGACCATGTACAAAGCAAGTCAGGAGAGCGAGTGCTATGTGAT
 AGACGCCGAAGTCTCACCCACGATGTGCCATACCACGACTACTTCTATACCATCAATCGATACACACTC
 ACCAGAGTGGCCCGGAACAAGAGCAGACTCAGGGTCTCCACAGAGCTCCGCTATCGAAAACAGCCCTGGG
 GGTTTGTGAAAATTTTCATCGAGAAGAACTTCTGGAGTGGACTGGAGGACTACTTCCGCCATTTAGAGAC
 TGAGCTAACAAAACCGAGAGTACCTACTTGGCCGAGATACACAGACAGTCGCCCAAGGAGAAGACCAAT
 AAGTCTCAGCAGTCCGGAGGAGGAAGCGTCCCATGCCACCTGCGGGTACCTCATCTGGAAGAGGTGA
 TGAGTCTGTACACACCCACAGATGAAGATGTGGGCCACAGGATCAAGCACGTGGCAGGTTCCACGCA
 GACACGGCATATCCGGAGGACACTCCTGATGGTTTTTCATCTGCAAAGCGTGTCCAAGCTGCTGCTGGTT
 ATCAGCTGTGTTCTGGTGTGCTGGTCACTTAAACATGATGCTTTTTACAAGCTGTGGATGCTGGAAT
 ACACCACACAGACGCTCACTGCCTGGCAGGGTCTCAGACTCCAGGAAAGGTTACCCAGTCTCAGACAGA
 ATGGGCCAGCTATTAGAATCCCAACAAAAGTACCACGACACCGAGCTCCAGAGGTGGAGGGAAATCATC
 AAATCCTCAGTGATGCTCTTGACCAGATGAAGGACTCTTTATCAACCTTCAGAACGGTATCCGGTCCC
 GAGACTACACAGCTGAGAGCGACGAGAAGAGGAACCGCTATC**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001191616

Insert Size:

2637 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191616.1, NP_001178545.1</u>
RefSeq Size:	2831 bp
RefSeq ORF:	2637 bp
Locus ID:	300644
Cytogenetics:	8q22