

Product datasheet for **RG228359**

GRAMD2B (NM_001146319) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRAMD2B (NM_001146319) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GRAMD2B
Synonyms:	GRAMD3; NS3TP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG228359 representing NM_001146319
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAAGGAGACAGCAAGTCCTACAAGCAAAAAGGAGCATTAGCAAAACATTCCAAGCACAGCTTATGC
 CCTGGAAGAGTATGTTCCACGGGAGAGAAGTGAAGCCAGTGGGTCGGACCTGGAACCTCTCAGAGGCTGA
 GAATGGTGTGGAGGAGAAAAAGAAAGCCTCGAGGTCGCCAACAGCCCAATCCCCTACCCCATCTGTGGAG
 GCGGACTCCCCAGACCAGAAAGAAATCATTAGCCTATGGTCAAAATCCAGTTTTGATGGTGCCTCTTTAG
 CAAGTGATAAGAACGACTGTAAAACAGAAAGCAAAAATGACCCTAAGACTGAAAGAAAAAAGTCTTCATC
 TTCCAGCCAGTACAAGGCCAATATGCACTTTACAAGTTGTTTCTTAGTGTCCCAACGGAGGAACCACTG
 AAGCAAAGCTTTACCTGTGCTCTACAGAAAGAAATACTATACCAAGGAAAGCTCTTTGTATCAGAAAAC
 GGATTTGTTTTATTCCAAGTCTTTGGAAAAGACACAAAGATCTCTATCCAGCTTTCTCGGTAACCCCT
 AATAAAGAAAACAAAAGTCTTCTAGTGCCAAACGCCCTGATCATAGCAACAGTCCACAGACAGGTAC
 ATATTTGTCTCCTTACTCTCCAGAGATCAACTTACAAAATACTAAAATCTGTGTGTGGACACTTAGAAA
 ATACAAGTGTGGTAACAGTCCCAATCCATCTTCTGCTGAAAACAGTTTCCGAGCAGACCCCTTCATC
 TCTGCCTCTGGATTTCAATGATGAATTCTCAGATCTGGATGGAGTGGTTCAACAAAGAAGGCAAGACATG
 GAAGGATATAGCAGTTCTGGTTCTCAAACCTCTGAATCTGAGAACTCTCGAGATTTCCATGCGACAGAAT
 CCCAAACAGTTCTGAATGTCTCCAAGGGAGAAGCAAAGCCAACCTCGGCAGATGCCCATGTGAACAGAGT
 ACCTGAAGGAAAAGCCAAGAGTCTCCCTGTACAGGGTCTGTCAGAACTGTTGGAATCTTACATAAAGTC
 AAGTCTCAGAAATGTCCGATGCTTACCATATTTATATTCTATGCAATTGTTGCTGTGCACTAATCA
 TCTCGACCTTCTACATGAGATACAGAATTAATACTCTGGAGGAGCAGCTGGGGTTACTAACCTCCATTGT
 GGACACCATAATACTGAACAGGCAGCACCATCTGGCCTGAGGTACAAGTACAATTCAATGTGGAGGTT
 CTCTGTCAAGAGCTTACAGCTAACATAGTGAAATTAGAAAAGATACAAAATAACTTACAGAAGTTGCTTG
 AGAATGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228359 representing NM_001146319
 Red=Cloning site Green=Tags(s)

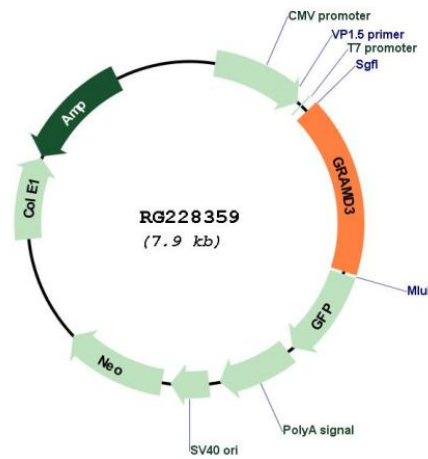
MTRRQQVLQAKRSIQQTFQAQLMPWKSFMFHGREVKVPGPDLELSEAENGVEEKKKACRSPTAQSPTPSVE
 ADSPDQKKIISLWSKSSFDGASLASDKNDCKTESKNDPKTERKKSSSSSQYKANMHFHLFLSVPTEEPL
 KQSFTCALQKEILYQGKLFVSENWICFHSKVFGKDTKISIPAFSVTLIKKTKTALLVFNALIIATVTDY
 IFVSLLSRDSTYKLLKSVCGHLENTSVGNPNPSSAENSFRADRPSSLPLDFNDEFSDLGTVVQRRQDM
 EGYSSSGSQTPESENSDFHATESQTVLNVSKGEAKPTRADAHVNRVPEGKAKSLPVQGLSETVGLHVKV
 KSQKCPMLHHILIFYAIVVICALIISTFYMRYRINTLEEQGLLTSIVDTHNTEQAAPSGLRSQVQFNVEV
 LCQELTANIVKLEKIQNNLQKLENGD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001146319

ORF Size: 1341 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_001146319.3</u>
RefSeq Size:	2785 bp
RefSeq ORF:	1344 bp
Locus ID:	65983
UniProt ID:	<u>Q96HH9</u>
Cytogenetics:	5q23.2
Protein Families:	Transmembrane