

## Product datasheet for **RG228352**

### GRAMD2B (NM\_001146321) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GRAMD2B (NM_001146321) 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)
ORF Nucleotide Sequence:	>RG228352 representing NM_001146321 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGAAGACACAAAGCCTGCGAAAGTCTCGGGAAGAGGGAGAGCAAACCTGGCTCAGCCCACTCAGA  
GGCTGAGAATGGTGTGGAGGAGAAAAAGAAAGCCTGCAGGTCGCCAACAGCCCAATCCCCTACCCCATCT  
GTGGAGGCGGACTCCCCAGACCAGAAGAAATCATTAGCCTATGCCCATATCTTCTCTCAAATCTATGC  
TTCATTACAGACCAAGAGTCAAATCCAGTTTTGATGGTGCCTCTTTAGCAAGTGATAAAGACGACTGTA  
AAACAGAAAGCAAAAATGACCCTAAGACTGAAAGAAAAAGTCTTCATCTCCAGCCAGTACAAGGCCAA  
TATGCACTTTACAAGTTGTTTCTAGTGTCCCAACGGAGGAACCACTGAAGCAAAGCTTTACCTGTGCT  
CTACAGAAAGAAATACTATACCAAGGAAAGCTCTTTGTATCAGAAAAGTGGATTTGTTTTATTCCAAG  
TCTTTGGAAAAGACACAAAGATCTATTTCCAGCTTTCTCGGTAACCCCTAATAAAGAAAACCAAACTGC  
TCTTCTAGTGCCAAACGCCCTGATCATAGCAACAGTACAGACAGGTACATATTTGTCTCCTTACTCTCC  
AGAGATTCAACTTACAACTACTAAAATCTGTGTGGACTTGAAGAAACAAGTGTGGTAAACAGTC  
CCAATCCATCTTCTGCTGAAAACAGTTTCCGAGCAGACCCCTTCATCTCTGCCTCTGGATTTCAATGA  
TGAATTCTCAGATCTGGATGGAGTGGTTCAACAAGAAGGCAAGCATGGAAGGATATAGCAGTTCTGGT  
TCTCAAACCTCTGAATCTGAGAATCTCGAGATTTCCATGCGACAGAATCCCAAACAGTTCTGAATGCT  
CCAAGGAGAAGCAAAAGCCAACCTCGGGCAGATGCCCATGTGAACAGAGTACCTGAAGGAAAAGCCAAGAG  
TCTCCCTGTACAGGCTCTGTCAGAACTGTTGGAATCTTACATAAAGTCAAGTCTCAGAAATGTCGGATG  
CTTACCATATTCTTATATTCTATGCAATTGTTGTCTGTGCACTAATCATCTCGACCTTCTACATGAGAT  
ACAGAATTAATACTCTGGAGGAGCAGCTGGGGTACTAACCTCCATTGTGGACCCATAATACTGAACA  
GGCAGCACCATCTGGCCTGAGGTCACAAGTACAATTCAATGTGGAGTCTCTGTCAAGAGCTTACAGCT  
AACATAGTGAAATTAGAAAAGATACAAAATAACTTACAGAAGTTGCTTGAGAATGGTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG228352 representing NM\_001146321  
 Red=Cloning site Green=Tags(s)

MWKTQSLRKCSGRGRANLAQPTQRLRMVWRRKRKPAGRQQPNPLPHLWRRTPQTRRSLAYAHIFSPNLC  
 FIQDQESKSSFDGASLASDKNDCKTESKNDPKTERKKSSSSSQYKANMHFKLFLSVPTEEPLKQSFCA  
 LQKEILYQGLFVSENWICFHSKVF GKDTKISIPAFSVTLIKKTKTALLVPNALIIATVTDRYIFVSLLS  
 RDSTYKLLKSVCGHLENTSVGNPNPSSAENSFRADRPSSLPLDFNDEFSDLGDGVVQRRQDMEGYSSSG  
 SQTPESENSRDFHATESQTVLNVSKGEAKPTRADAHVNRVPEGKAKSLPVQGLSETVGILHKVKSQKCPM  
 LHHILIFYAIVCALIISTFYMRIRINTLEEQLGLLTSIVDTHNTEQAAPSGLSQVQFNVEVLCQELTA  
 NIVKLEKIQNNLQKLENGD

TRTRPLE - GFP Tag - V

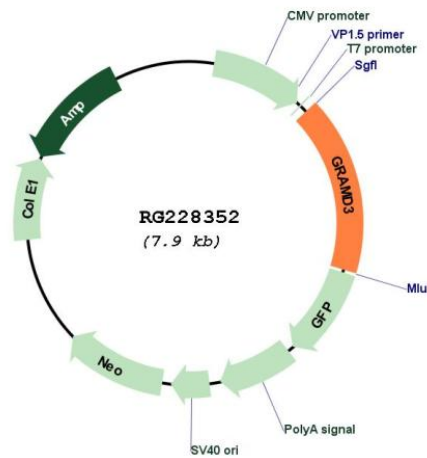
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001146321

<b>ORF Size:</b>	1320 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001146321.2</a>
<b>RefSeq Size:</b>	2977 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	65983
<b>UniProt ID:</b>	<a href="#">Q96HH9</a>
<b>Cytogenetics:</b>	5q23.2
<b>Protein Families:</b>	Transmembrane