

Product datasheet for **RG228329**

GRAMD2B (NM_001146322) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GRAMD2B (NM_001146322) 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: >RG228329 representing NM_001146322
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTAAAGTGAAGCGGTTTCTTTCTTCTTCAGCTCAGAGGCTGAGAATGGTGTGGAGGAGAAAAAGA
 AAGCCTGCAGGTCGCAACAGCCCAATCCCCTACCCCATCTGTGGAGGCGGACTCCCCAGACCAGAAGAA
 AATCATTAGCCTATGGTCAAAATCCAGTTTGGTGCCTCTTAGCAAGTGATAAGAACGACTGTAAA
 ACAGAAAGCAAAAATGACCCTAAGACTGAAAGAAAAAAGTCTTCATCTTCCAGCCAGTACAAGGCCAATA
 TGCACCTTTCACAAGTTGTTTCTTAGTGTCCAACGGAGGAACCACTGAAGCAAAGCTTTACCTGTGCTCT
 ACAGAAAGAAATACTATACCAAGGAAAGCTCTTTGTATCAGAAAAGTGGATTTGTTTTCATTCCAAAGTC
 TTTGGAAAAGACACAAAGATCTCTATTCCAGCTTCTCGGTAACCCCTAATAAAGAAAACCAAACTGCTC
 TTCTAGTGCCAAACGCCCTGATCATAGCAACAGTCACAGACAGGTACATATTTGTCTCCTTACTCTCCAG
 AGATTCAACTTACAACTACTAAAATCTGTGTGGACACTTAGAAAATACAAGTGTGGTAACAGTCCC
 AATCCATCTTCTGCTGAAAACAGTTTCCGAGCAGACCCGCTTTCATCTCTGCCTCTGGATTTCAATGATG
 AATTCTCAGATCTGGATGGAGTGGTCAACAAAGAAGGCAAGACATGGAAGGATATAGCAGTTCTGGTTC
 TCAAACCTCTGAATCTGAGAATCTCGAGATTTCCATGCGACAGAATCCCAAACAGTTCTGAATGTCTCC
 AAGGGAGAAGCAAGCCAACTCGGGCAGATGCCCATGTGAACAGAGTACCTGAAGGAAAAGCCAAAGAGTC
 TCCTGTACAGGGTCTGTGAGAACTGTTGGAATCTTACATAAAGTCAAGTCTCAGAAATGTCGATGCT
 TCACCATATTCTATATTCTATGCAATTGTTGTCTGTGCACTAATCATCTCGACCTTCTACATGAGATAC
 AGAATTAATACTCTGGAGGAGCAGCTGGGGTACTAACCTCCATTGTGGACACCCATAATACTGAACAGG
 CAGCACCATCTGGCCTGAGGTCACAAGTACAATTCAATGTGGAGTTCTCTGTCAAGAGCTTACAGCTAA
 CATAGTGAATTAGAAAAGATACAAAATAAATTACAGAAGTTGCTTGAGAATGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228329 representing NM_001146322
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MSKVKRFPFFFSSEAENGVEEKKKACRSPTAQSPTPSVEADSPDQKKIISLWSKSSFDGASLASDKNDCK
 TESKNDPKTERKKSSSSSQYKANMHFKLFLSVPTEELKQSFTCALQKEILYQGLFVSENWICFHSKV
 FGKDTKISIPAFSVTLIKKTKTALLVFNALIIATVTDRIYFVSLLSRDSTYKLLKSVCGHLENTSVGNP
 NPSSAENSFRADRPSSLPLDFNDEFSDLGQVQRRQDMEGYSSSGSQTPESENSRDFHATESQTVLNVS
 KGEAKPTRADAHVNRVPEGKAKSLPVQGLSETVGLLHKVKSQKCPMLHHILIFYAIVVICALIISTFYMYR
 RINTLEEQLGLLTSIVDTHNTEQAAPSGLRSQVQFNVEVLCQELTANIVKLEKIQNLLQKLENGD

TRTRPLE - GFP Tag - V

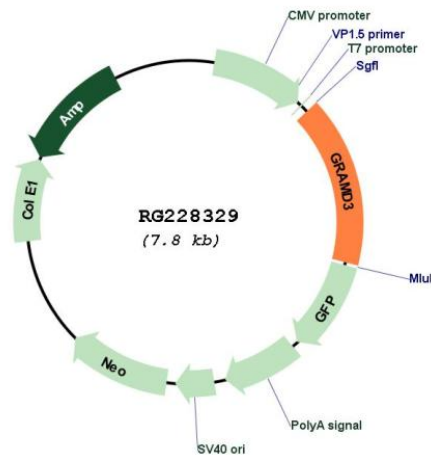
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001146322

ORF Size:	1248 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:	NM_001146322.3
RefSeq Size:	2596 bp
RefSeq ORF:	1251 bp
Locus ID:	65983
UniProt ID:	Q96HH9
Cytogenetics:	5q23.2
Protein Families:	Transmembrane