

Product datasheet for **RC228352**

GRAMD2B (NM_001146321) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRAMD2B (NM_001146321) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GRAMD2B
Synonyms:	GRAMD3; NS3TP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228352 representing NM_001146321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGAAGACACAAAGCCTGCGAAAGTCTCGGGAAGAGGGAGAGCAAACCTGGCTCAGCCCACTCAGA
 GGCTGAGAATGGTGTGGAGGAGAAAAAGAAAGCCTGCAGGTCGCCAACAGCCAATCCCCTACCCATCT
 GTGGAGCGGACTCCCCAGACCAGAAGAAATCATTAGCCTATGCCCATATCTTCTCTCCAAATCTATGC
 TTCATTACAGACCAAGAGTCAAAATCCAGTTTTGATGGTGCCTCTTAGCAAGTGATAAGAACGACTGTA
 AAACAGAAAGCAAAATGACCCTAAGACTGAAAGAAAAAGTCTTCATCTTCCAGCCAGTACAAGGCCAA
 TATGCACTTTCACAAGTTGTTTCTAGTGTCCCAACGGAGGAACCACTGAAGCAAAGCTTACCTGTGCT
 CTACAGAAAGAAATACTATACCAAGGAAAGCTTTTGTATCAGAAAAGTGGATTTGTTTTATTCCAAAG
 TCTTTGGAAAAGACACAAAGATCTCTATCCAGCTTCTCGGTAACCCTAATAAGAAAAACAAAAGTGC
 TCTTCTAGTGCCAAACGCCCTGATCATAGCAACAGTACAGACAGGTACATATTTGTCTCCTTACTCTCC
 AGAGATCAACTTACAACTACTAAAATCTGTGTGGACTTGAAGAAATACAAGTGTGGTAACAGTC
 CCAATCCATCTTCTGCTGAAAACAGTTTCCGAGCAGACCGCCCTTCATCTCTGCCTCTGGATTTCAATGA
 TGAATTCTCAGATCTGGATGGAGTGGTTCAACAAGAAGGCAAGACATGGAAGGATATAGCAGTTCTGGT
 TCTCAAATCCTGAATCTGAGAACTCTCGAGATTTCCATGCGACAGAATCCCAAACAGTTCTGAATGTCT
 CCAAGGGAGAAGCAAAGCCAACCTCGGCAGATGCCCATGTGAACAGAGTACCTGAAGGAAAAGCCAAAG
 TCTCCCTGTACAGGCTGTGCAGAACTGTTGGAATCTTACATAAAGTCAAGTCTCAGAAATGTCCGATG
 CTTACCATATTCTTATATTCTATGCAATTGTTGTCTGTGCACTAATCATCTCGACCTTCTACATGAGT
 ACAGAATTAATACTCTGGAGGAGCAGCTGGGTTACTAACCTCCATTGTGGACACCATAATACTGAACA
 GGCAGCACCATCTGGCCTGAGGTCACAAGTACAATTCAATGTGGAGGTTCTCTGTCAAGAGCTTACAGCT
 AACATAGTGAAATTAGAAAAGATACAAAATAACTTACAGAAGTTGCTTGAGAATGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228352 representing NM_001146321
 Red=Cloning site Green=Tags(s)

MWKTQSLRKCSGRGRANLAQPTQRLRMVWRRKRKPAGRQQPNPLPHLWRRTPQTRRSLAYAHIFSPNLC
 FIQDQESKSSFDGASLASDKNDCKTESKNDPKTERKSSSSSQYKANMHFKLFLSVPTEELKQSFCA
 LQKEILYQKLFVSENIWICFHSKVFGKDTKISIPAFSVTLIKKTKTALLVPNALIIATVTDRIYFVSLLS
 RDSTYKLLKSVCGHLENTSVGNPNPSSAENSFRADRPSSLPLDFNDEFSDLGTVVQRRQDMEGYSSSG
 SQTPESENSRDFHATESQTVLNVSKGEAKPTRADAHVNRVPEGKAKSLPVQGLSETVGIHKVKSQKCPM
 LHHILIFYAIVVCALIIISTFYMRIRINTLEEQLGLLTSIVDTHNTEQAAPSGLRQVQFNVEVLCQELTA
 NIVKLEKIQNNLQKLENGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8060_b06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001146321

ORF Size: 1320 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:

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_001146321.2](#)

RefSeq ORF: 1323 bp

Locus ID: 65983

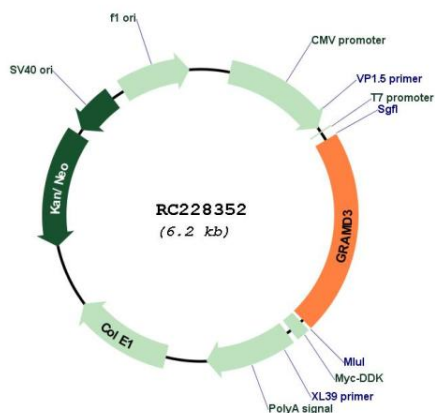
UniProt ID: [Q96HH9](#)

Cytogenetics: 5q23.2

Protein Families: Transmembrane

MW: 49.4 kDa

Product images:



Circular map for RC228352