

Product datasheet for **MR207100**

Gramd3 (BC057978) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gramd3 (BC057978) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gramd3
Synonyms:	9030613F08Rik; 9130427A09Rik; AW061306; NS3TP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207100 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGAAGAAACGGCTTTCCTCCAGTGACAATGTGTTCAAGTTCGAGATCCCCAGCAACTCGAAGACCA
 GTGCTGAGGCCCCACACAGCTCCACTGACAGCCCAAGCTCCGTGTTTCTCAGCTCAGAGGCTGAGAATGG
 TCGCGAGGACAGAAGGAGGGTCAGCAAGTCGCCAACAGCCCAATCTCCTACCTCATCTGTGGAGGCCGAG
 TCCCCGGACCAGAAGAGGAGCCTTGGCCTGTGGTCAAAATCCAGTTTTGATGGTTCCAGTTTGTGAGTG
 ATAAGAATGACTGTAAAAGTAAAGCAAGACTGACTCTAAGACCGAAAGAAAAAGTCTTCATCGTCTAG
 TCAGTACAAGGCAACATGCACTTTCACAAGTTATTCCTGGATGCCAACTGAAGAGCCACTGAGGCAA
 AGCTTTACCTGTGCTCTTCAGAAAGAAATTCGTACCAAGGAAAGCTCTTGTGTCGGAAAAGTGGATTT
 GTTTTCATTCCAAGGTCTTTGGAAAAGACACTAAGATCTCCATCCAGCTTTCTCGGTAACCTTGATCAA
 GAAAACAAAAGTCCCTTCTGGTGCCAAACGCCCTGATCATCGGACGGTCCAGACAGGTACATATTC
 GTTTCCTGTGCTGCCAGAGACTCAACTACAACTGATAAAATCTGTGTGCGGACACTTAGAGAAAACAA
 GTGTTGGTAACAGTCCCAACCCATCTTCTGCTGAAAACAGTTTCCGGGCAGATCGCCCTTCTGCTCTGCC
 TCTGGATTTCAATGATGAATTCTCAGACCTGGACGGAGTGGTTCGACAACGAAGGCAAGACTTGAAGGA
 TACAGCAGCTCAGGATCCAGACTCCGGAATCTGAGAATCCCGAGACTCCACGTGACCGAATCTCAGA
 CAGTTCGAATGTCACAAAGGGAGAAAACAAAACCCCTCGGACAGATGCCACGGGAGCAGAGCGCCTGA
 TGGAAAAGCCAAGATCCTGCCTGCCATGGTCAATCAGAACTATTGGAATTTACATAAAATGGAGTCT
 CGGAAGTGCCCGACTCTCCATCACATCTGATAGTCTATGCAATTATTGTCTGTGCCCTGATCATCTCCA
 CCTTCTACATGAGATACAGGATTAACACTCTGGAGGAGCGCTGGGGACGCTGACGTCCATCATGGATCC
 CCACAGTACTGAGCAGACAGCCCATCCGGCCTGGGATCACAAATGCAGTTAAATGTGGAGGTCCTCTGC
 CAAGAAGTACAGCTAACATAGTAAATTTGAAAAGATACAAAACAACTACAAAAGCTGCTTGAGAATG
 GTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207100 protein sequence
 Red=Cloning site Green=Tags(s)

MVKKRLSSSDNVFKFEIPSNKTSAEAPHSSTDSPSSVFLSSEAENGAEDRRRVSKSPTAQSPSSVEAE
 SPDQKRLGLWSKSSFDGSSLLSDKNDCKTESKTDKTERKKSSSSSQYKANMHFHKFLDVPTEEPLRQ
 SFTCALQKEILYQKLFVSENWICFHSKVFGKDTKISIPAFSVTLIKKTKTALLVPNALIIATVTDRIYIF
 VLLSRDSTYKLIKSVCGHLEKTSVGNPNPSSAENSFRADRPSSLPLDFNDEFSDLDGTVRQRQDLEG
 YSSSGSQTPESNSRDFHVTESTVNLVTKGETKPPRTDAHGSRAPDGKAKILPAHQSETIGILHKMES
 RKCPTLHHILIVYAIIVCALIISTFYMRYSINTLEERLGLTSLIMDPHSTEQTAPSGLGSQMLNVEVLC
 QELTANIVKLEKIQNNLQKLENGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: BC057978

ORF Size: 1335 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: [BC057978](#), [AAH57978](#)
RefSeq Size: 2409 bp

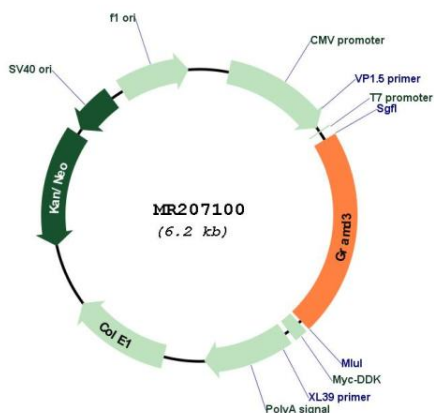
RefSeq ORF: 1337 bp

Locus ID: 107022

Cytogenetics: 18 D3

MW: 49.3 kDa

Product images:



Circular map for MR207100