

## Product datasheet for **MG207100**

### Gramd3 (BC057978) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gramd3 (BC057978) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gramd3
Synonyms:	9030613F08Rik; 9130427A09Rik; AW061306; NS3TP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207100 representing BC057978  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGAAGAAACGGCTTTCCTCCAGTGACAATGTGTTCAAGTTCGAGATCCCCAGCAACTCGAAGACCA  
 GTGCTGAGGCCCCACACAGCTCCACTGACAGCCCAAGCTCCGTGTTTCTCAGCTCAGAGGCTGAGAATGG  
 TCGCGAGGACAGAAGGAGGGTCAGCAAGTCGCCAACAGCCCAATCTCCTACCTCATCTGTGGAGGCCGAG  
 TCCCCGGACCAGAAGAGGAGCCTTGGCCTGTGGTCAAATCCAGTTTTGATGGTTCAGTTTGTGAGTG  
 ATAAGAATGACTGTAAAAGTAAAGCAAGACTGACTCTAAGACCGAAAGAAAAAGTCTTCATCGTCTAG  
 TCAGTACAAGGCAACATGCACTTTCACAAGTTATTCTGGATGTCCCACTGAAGAGCCACTGAGGCAA  
 AGCTTTACCTGTGCTCTTCAGAAAGAAATCTGTACCAAGGAAAGCTCTTGTGTCGAAAAGTGGATTT  
 GTTTTCATTCCAAGTCTTTGGAAAAGACACTAAGATCTCCATCCAGCTTTCTCGGTAACCTTGATCAA  
 GAAAACAAAAGTCCCTTCTGGTGCCAAACGCCCTGATCATCGGACGGTCCAGACAGGTACATATTC  
 GTTTCCTTGCTGTCCAGAGACTCAACTACAACTGATAAAATCTGTGTGCGGACACTTAGAGAAAACAA  
 GTGTTGGTAACAGTCCCAACCCATCTTCTGCTGAAAACAGTTTCCGGGCAGATCGCCCTTCTGCTCTGCC  
 TCTGGATTTCAATGATGAATTCTCAGACCTGGACGGAGTGGTTCGACAACGAAGGCAAGACTTGGAAAGGA  
 TACAGCAGCTCAGGATCCAGACTCCGGAATCTGAGAATCCCGAGACTCCACGTGACCGAATCTCAGA  
 CAGTTCTGAATGTCACAAAGGGAGAAAACAAAACCCCTCGGACAGATGCCACGGGAGCAGAGCGCCTGA  
 TGGAAAAGCCAAGATCCTGCCTGCCATGGTCAATCAGAACTATTGGAATTTACATAAAATGGAGTCT  
 CGGAAGTGCCCGACTCTCCATCACATCTGATAGTCTATGCAATTATTGTCTGTGCCCTGATCATCTCCA  
 CCTTCTACATGAGATACAGGATTAACACTCTGGAGGAGCGCTGGGACGCTGACGTCCATCATGGATCC  
 CCACAGTACTGAGCAGACAGCCCATCCGCTGGGATCACAATGCAGTTAAATGTGGAGTCTCTGTC  
 CAAGAAGTACAGCTAACATAGTAAATTTGAAAAGATACAAAACAACTACAAAAGCTGCTTGAGAATG  
 GTGAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207100 representing BC057978  
 Red=Cloning site Green=Tags(s)

MVKKRLSSSDNVFKFEIPSNKTSAEAPHSSTDSPSSVFLSSEAENGAEDRRRVSKSPTAQSPSSVEAE  
 SPDQKRLGLWSKSSFDGSSLLSDKNDCKTESKTDKTERKSSSSSQYKANMHFKLFLDVPTEEPLRQ  
 SFTCALQKEILYQGLFVSENWICFHSKVFVKDKISIPAFSVTLIKKTKTALLVPNALIIATVTDRIYIF  
 VSLLSRDSTYKLIKSVCGHLEKTSVGNPNPSSAENSFRADRPSSLPLDFNDEFSDLDGVVRRQRDLEG  
 YSSSGSQTPESNSRDFHVTEQSQTVLNVTKGETKPPRTDAHGSRAPDGKAKILPAHQSETIGILHKMES  
 RKCPTLHHILIVYAIIVCALIISTFYMYRINTLEERLGLTSLIMDPHSTEQTAPSGLSQMQLNVEVLC  
 QELTANIVKLEKIQNNLQKLENGD

**TRTRPLE** – GFP Tag – V

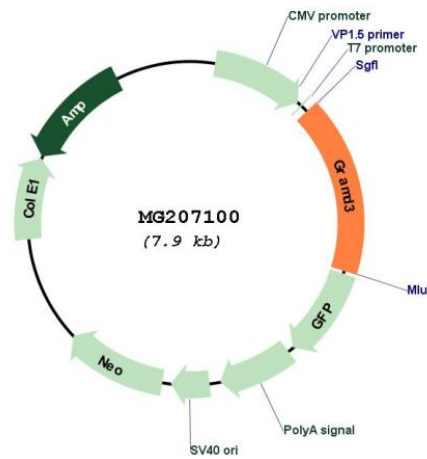
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC057978

**ORF Size:** 1337 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.

<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>	<u><a href="#">BC057978</a></u> , <u><a href="#">AAH57978</a></u>
<b>RefSeq Size:</b>	2409 bp
<b>RefSeq ORF:</b>	1337 bp
<b>Locus ID:</b>	107022
<b>Cytogenetics:</b>	18 D3