

## Product datasheet for **RN202462**

### Gm2a (NM\_172335) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm2a (NM_172335) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gm2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202462 representing NM_172335 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGTCGTGACCCTGCTGCTGCTGCTGGGCTTGCTGTTGCTGCTGGGCTTGCTGTTGCTGGCCCTG  
TCGCCCTTCGCGCCTCATCTCGAAGCGCCCTCCCAACTGGTGGCTTCTCCTGGGATAACTGTGATGA  
AGGAAAGGACCCTGCAGTGATCAAAGCCTCACGCTCCAACCTGACCCCATTTGTCGTTCTGGAGATGTG  
ATCGTCAGTGCTGAGGGCAAGACCAGCATTCCCCTCACTTCTCCTCAGAAGGTGGAGCTCACCGTGGAGA  
AGGAAGTGGCTGGCTTCTGGGTCAAGATCCCTTTCGCTAGAACAGCTAGGAAGCTGTACCTATGAGATGT  
CTGTGACCTGATAGACCAATACATCCCCCTGGAGAGACCTGCCAGAGCCGCTGCACACCTACGGGCTG  
CCCTGCCATTGTCCCTCAAGGAAGGCACCTACTCACTGCCTTCGAGCAACTTCACAGTGCCTGATCTGG  
AGCTTCCAAGCTGGCTAAGCACGGGCAACTACCGCATCCAGAGCATTTGAGCAGCGGTGAAAGCGCCT  
GGCCTGCATCAAGATTGCCGCTCTCTCAAGGGCAAAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_172335
Insert Size:	600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<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="#">NM_172335.2</a></u> , <u><a href="#">NP_758838.2</a></u>
<b>RefSeq Size:</b>	2028 bp
<b>RefSeq ORF:</b>	600 bp
<b>Locus ID:</b>	282838
<b>Cytogenetics:</b>	10q22
<b>Gene Summary:</b>	mouse homolog is involved in sphingolipid metabolism [RGD, Feb 2006]