

## Product datasheet for **RR202269**

### Gda (NM\_031776) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gda (NM_031776) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gda
Synonyms:	Cypin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR202269 representing NM\_031776  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTGTGCGGCTCGGACGCCGACGTGGCGCTCATCTCCGAGGGACTTTCGTCCACTCCACCTGGACCT  
 GCCCATGGAGGTGCTTCGCGATCACCTTCTGGCGTGAGCGACAGCGGCAAAATAGTGTCTAGAAAGA  
 ATCATCTCAGCAAGAAAAGCTGGCCAAAGAATGGTGCTTCAAACCGTGTGAGATCAGAGAGCTGAGCCAC  
 CATGAGTCTTTCATGCCAGGCCTTGTGATACACACATCCATGCCCTCAGTATGCCTTTGCTGGAAGCA  
 ACGTCGACCTGCCACTTTGGATTGGCTGAACAAGTATACATTTCTACAGAAAAAGGTTCCAGAGCAC  
 CGATGTGGCTGAAGAAGTCTACACTAGAGTCGTTAGGAGAACACTAAAGAACGGCACCACCACGGCATGC  
 TACTTTGGAACAATTCACACTGACTCATCCCTGATCCTTGGCGAAATTACAGATAAATTTGGGCAGCGAG  
 CATTTGTGGGCAAAGTATGCATGGATTTAATAACACTGTTCCAGAATAAAGGAGACCACCGAGGAGTC  
 AGTCAAGGAGACAGAGAGATTTGTGTCAGAAATGCTTCAAAGAATTATCAAGGGTGAAACCCATAGTG  
 ACCCCCGGATTTCTCTTTCTTGACGGGAGACTCTGATGAGTGAACCTGGCAACATCGCCAAGACTCATG  
 ATCTGTACATCCAGAGCCATATAAGTGAAAATCGTGAAGAAATTGAAGCTGTGAAAAGCTTATACCTGG  
 CTACAAAACTACACAGATGTCTATGATAAAAAAATCTTCTGACAAAACAAAACAGTGTGGCTCATGGC  
 TGCTACCTTTCTGAAGAAGAGCTGAACGCTTTCAGTGAACGAGGAGCATCCATTGCACATTTGCCAACT  
 CTAATCTGTGCTGAGCAGTGGCTTACTGAACGTGCTCGATGCTCCTGAAGCATAAAGTGAAGATAGGGCT  
 TGGGACAGATGTGGCTGGTGGTTACTCCTATCCATGCTTGACGCCATCCGAAGAGCAGTGTGGTTTCC  
 AACGTCCTCTTAATTAATAAGGTGAATGAGAAAAGCCTCACCTCAAAGAAGTCTTCAGACTAGCCACTC  
 TTGGAGGAAGCCAAGCCCTGGGCTTGATCGTGAATTTGAAACTTTGAGGTGCGCAAGGATTTTGATGC  
 CCTCTTGATCAACCCAGAGCATCGGACTCTCCATTGATCTGTTTTGTGGGGATTTCTGTTGGTGATATT  
 TCTGAGGCTGTTATCCAGAAGTTCCTCTATCTAGGAGATGACCGAACATTGAGGAGTTTATGTGGGTG  
 GAAAGCAGGTCGTTCCATTCTCCAGCTCCGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR202269 representing NM\_031776  
 Red=Cloning site Green=Tags(s)

MCAARTPQLALIFRGTFFVHSTWTCPEVLRDHLGVS DSGKIVFLEESSQEQEKLAKEWCFKPEIRELSH  
 HEFFMPGLVDTHIHAPQYAFAGSNVDLPLLDWLNKYTFPTEKRFQSTDVAEEVYTRVRRTLKNGTTTAC  
 YFGTIHTDSSLILAEITDKFGQRAFVGKVCMDLNNTPVEYKETTEESVKETERFVSEMLQKNYSRVKPIV  
 TPRFSLSCTETLMSELGNI AKTHDLYIQSHISENREEIEAVKSLYPGYKNYTDVYDKNLLTNKTVMAHG  
 CYLSEEELNVF SERGASIAHCPNSNLSLSSGLLNVDLVLKHKVIGLGTDVAGGYSYMLDAIRRAVMVS  
 NVLLINKVNEKSLTLKEVFRLATLGGSQLGLDREIGNFEVKGDFDALLINPRASDSPIDLFCGDFVVDI  
 SEAVIQFLYLGDDRNIEEVYVGGKQVVPFSSSV

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

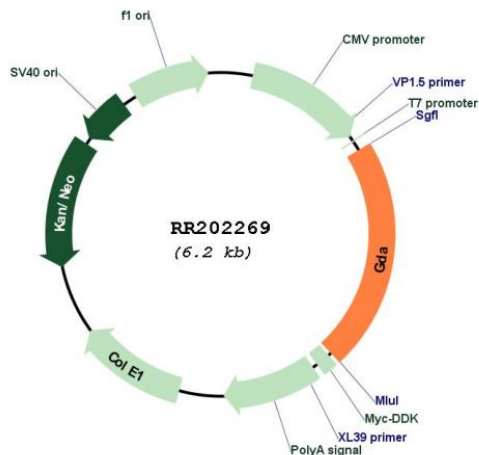
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031776

ORF Size: 1362 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\\_031776.2](#), [NP\\_113964.2](#)

**RefSeq Size:** 1460 bp

**RefSeq ORF:** 1365 bp

**Locus ID:** 83585

**Cytogenetics:** 1q51

**MW:** 50.9 kDa

**Gene Summary:** exhibits guanine deaminase activity [RGD, Feb 2006]