

## Product datasheet for **MR218488**

### Gda (NM\_010266) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gda (NM_010266) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gda
Synonyms:	AU015411; AW047581; GAH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR218488 representing NM\_010266  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTGTGGGCTCGGACGCCCGCTGGCGCTCGTCTTCCGAGGGACTTTCGTCCACTCCACCTGGACCT  
 GCCCATGGAGGTGCTTCGCGATCACCTCCTCGGCGTGAGCGACAGCGGCAAAATAGTGTCTAGAAAGA  
 ATCATCTCAGCAAGAAAACTGGCCAAGGAGTGGTGTCTCAAACCATGTGAGATCAGAGAACTGAGCCAC  
 CATGAGTCTTTCATGCCAGGCCTTGTGATACCCACATCCATGCCCTCAGTATGCCTTTGCTGGAAGCA  
 ACGTTGACCTGCCGCTTTGGAGTGGCTGAATAAGTATACATTTCCACAGAACAAGGTTCCGGAGCAC  
 TGATGTGGCTGAAGAAGTCTACACTAGAGTTGTTAGGAGAACACTGAAGAACGGCACCACCACGGCTTGC  
 TACTTTGGAACAATTCACACTGACTCATCCCTGATCCTTGGCGAAATTACAGATAAATTTGGGCAGCGAG  
 CATTTGTGGGCAAAGTATGCATGGATTTGAATGATACTGTTCCAGAATAAAGGAGACCACCGAGGAGTC  
 AGTCAAGGAGACAGAGAGATTTGTGTGAGAAATGCTGAAAAGAATTATCCAAGGTTGAAACCCATAGTG  
 ACCCCACGCTTTACCTTTCTTGACGGGAGACTCTGATGAGTGAACCTGGCAACATCGCCAAGACCCATG  
 ATCTGTACATCCAGAGCCATATAAGTGAAAATCGTGAAGAAATTGAAGCCGTGAAAAGCTTATACCCTAG  
 TTACAAAACTACACAGATGTCTATGATAAAAAAATCTTCTGACAAAACAAGACAGTAATGGCACATGGC  
 TGCTACCTTTCTGAAGAAGAAGTAAACATCTTCAGTGAACGAGGAGCATCCATTGCACATTTGCCAACT  
 CTAATCTGTGCTGAGCAGTGGCTTACTGAACGTGCTTGAGGTCTGAAGCATAAAGTGAAGATAGGGCT  
 GGGGACAGATGTGGCTGGTGGCTACTCCTATCCATGCTTGATGCCATCAGAAGAGCAGTCATGGTTTCC  
 AATGCTCTCTTAATTAATAAGGTAATGAGAAAAACCTCACCTCAAAGAAGTCTTCAGACTAGCCACTC  
 TTGGAGGAAGCCAAGCCCTGGGGCTTGATAGCGAGATTGGAACCTTTGAAGTTGGCAAGGAATTTGATGC  
 CCTCTTGATCAACCCAGAGCATCAGACTCTCCATTGATCTGTTTTATGGGGATTTTGTGGTGATATT  
 TCTGAGGCTGTTATCCAGAAGTTCTTTATCTAGGAGACGCCGAAATATTGAGGAGTTTATGTGGGTG  
 GAAAGCAGGTCGTTCCATTCTCCAGCTCAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218488 representing NM\_010266  
 Red=Cloning site Green=Tags(s)

MCAARTPLALVFRGTFVHSTWTCPEVLRDHLGVS DSGKIVFLEESSQEQKLAKIEWCFKPEIRELSH  
 HEFFMPGLVDTHIHAPQYAFAGSNVDLPLEWLNKYTFPTEQRF RSTDVAAEEVYTRVRRTLKNGTTTAC  
 YFGTIHTDSSLILAEITDKFGQRAFVGKVCMDLNDTVPEYKETTEESVKETERFVSEMLQKNYPRVKPIV  
 TPRFTLSCTETLMSELGNI AKTHDLYIQSHISENREEIEAVKSLYPSYKNYTDVYDKNLLTNKTVMAHG  
 CYLSEEELNIFSERGASIAHCPNSNLSLSSGLLVLEVLKHKVKIGLGTDVAGGYSYMLDAIRRAVMVS  
 NVLLINKVNEKNLTLKEVFRLATLGGSQLGLDSEIGNFEVKGKFDALLINPRASDSPIDLFGDFVVDI  
 SEAVIQFLYLGDNRNIEEVYVGGKQVVPFSSSV

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

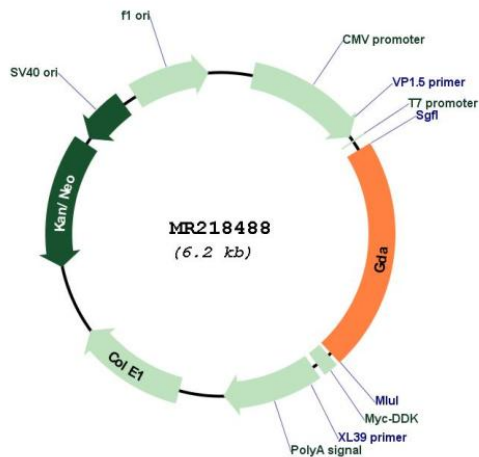
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_010266

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\\_010266.2](#), [NP\\_034396.1](#)

**RefSeq Size:** 5417 bp

**RefSeq ORF:** 1365 bp

**Locus ID:** 14544

**UniProt ID:** [Q9R111](#)

**Cytogenetics:** 19 14.32 cM

**MW:** 51.5 kDa

**Gene Summary:** Catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia.  
[UniProtKB/Swiss-Prot Function]