

## Product datasheet for **MG206054**

### Gda (BC076583) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gda (BC076583) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gda
Synonyms:	AU015411; AW047581
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206054 representing BC076583 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTGCGGCTCGGACGCCGCCGCTGGCGCTCGTCTTCCGAGGGACTTTCGTCCACTCCACCTGGACCT  
GCCCCATGGAGGTGCTTCGCGATCACCTCCTCGGCGTGAGCGACAGCGGCAAAATAGTGTTTCTAGAAGA  
ATCATCTCAGCAAGAAAACTGGCCAAGGAGTGGTGTCAAACCATGTGAGATCAGAGAAGTGGCCAC  
CATGAGTTCATGCCAGGCCCTGTTGATACCCACATCCATGCCCTCAGTATGCCTTTGCTGGAAGCA  
ACGTTGACCTGCCGCTTTGGAGTGGCTGAATAAGTATACATTTCCACAGAACAAGGTTCCGGAGCAC  
TGATGTGGCTGAAGAAGTCTACACTAGAGTTGTTAGGAGAACACTGAAGAACGGCACCCACCGCTTGC  
TACTTTGGAACAATTCACACTGACTCATCCCTGATCCTTGCAGAAATTACAGATAAAATTTGGGCAGCGAG  
CATTTGTGGGCAAGTATGCATGGATTTGAATGATACTGTTCCAGAATACAAGGAGACCACCGAGGAGTC  
AGTCAAGGAGACAGAGAGATTTGTGCAGAAATGCTGCAAAAGAATTATCCAAGGTTGAAACCCATAGTG  
ACCCACGCTTTACCTTTTGCACGGAGACTCTGATGAGTGAAGTGGCAACATCGCCAAGACCCATG  
ATCTGTACATCCAGAGCCATATAAGTAAAAATCGTGAAGAAATGAAGCCGTGAAAGCTTATACCTAG  
TTACAAAACTACACAGATGTCTATGATAAAAAAATCTTCTGACAAAACAAGACAGTAATGGCACATGCC  
TGCTACCTTTCTGAAGAAGAATTAACATCTTCAGTGAACGAGGAGCATCCATTGCATTTGCCCAACT  
CTAATCTGTCGCTGAGCAGTGGCTTACTGAACGTGCTTGAGGTCTGAAGCATAAAGTGAAGATAGGGCT  
GGGACAGATGTGGCTGGTACTCCTATTCCATGCTTGTGATGCCATCAGAAGAGCAGTCATGGTTTCC  
AATGTCCTCTTAATTAAGGTAATGAGAAAACTCACCTCAAAGAAGTCTTCAGACTAGCCACTC  
TTGGAGGAAGCCAAGCCCTGGGGCTTGATAGCGAGATTGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206054 representing BC076583  
 Red=Cloning site Green=Tags(s)

MCAARTPLALVFRGTFVHSTWTCPEVLRDHLGVS DSGKIVFLEESSQQEKLAKEWCFKPCEIRELSH  
 HEFFMPGLVDTHIHAPQYAFAGSNVDLPLEWLNKYTFPTQRF RSTDVAEEVYTRVRRTLKNGTTTAC  
 YFGTIHTDSSLILAEITDKFGQRAFVGKVCMDLNDTPVEYKETTEESVKETERFVSEMLQKNYPRVKPIV  
 TPRFTL SCTETLMSELGNI AKTHDLYIQSHISENREEIEAVKSLYPSYKNYTDVYDKNLLTNKTVMAHG  
 CYLSEEELNIFSERGASIAHCPNSNLSLSSGLLNVLEVLKHKVKIGLGT DVAGGYSYMLDAIRRAVMVS  
 NVLLINKVNEKNLTLKEVFRLATLGGSQALGLDSEIG

TRTRPLE - GFP Tag - V

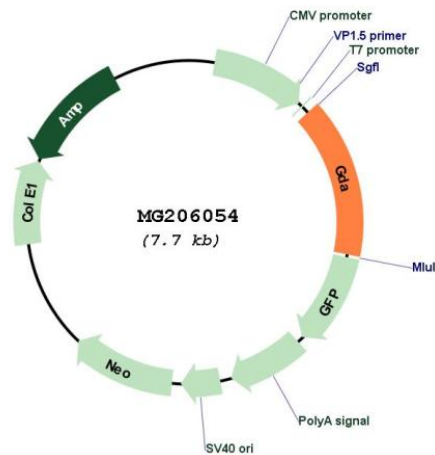
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC076583

<b>ORF Size:</b>	1163 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">BC076583</a> , <a href="#">AAH76583</a>
<b>RefSeq Size:</b>	3432 bp
<b>RefSeq ORF:</b>	1163 bp
<b>Locus ID:</b>	14544
<b>Cytogenetics:</b>	19 14.32 cM
<b>Gene Summary:</b>	Catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. [UniProtKB/Swiss-Prot Function]