

## Product datasheet for **MR209596**

### Gatad2a (NM\_001113346) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gatad2a (NM_001113346) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gatad2a
Synonyms:	1110066C11Rik; BC031407; C80248
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209596 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTGAAGAAGCATGCCGAACCCGAGTCAGAAGCGCACCCCTTGAACCTGACCTAACGGAGGATGATG  
 TGGAGAACAAGAAAATGAAAATGGAGAAAAGGGTCATCAGAGCTGACAGTGGACGGAGACAGCAGGGTGAT  
 GCCAGAGCCGAGTGCAGGCTCAGCCCAGGGTTGCTGAGGACAACAGAGGCCATGGGCACAGGATCTGGC  
 GAGGGGCTGTTAGGAGACGGGCCTGTGGACATGCGCACTTACACAGTGCATGAAGTCTGAGAAGAGAC  
 CTCCTCGCTGATGTGATTGTCTCTGACAGTGCAGCCATCGAGCCCAAGGGTGAATGGCCTGAC  
 CACAGTAGCCTTGAAGACACCAGCACTGAGGCGCTCTTAAAAGCAGCCAGAAGAAGCAGAGCGGATG  
 ATCAAGCAGCTGAAGGAGGAGCTGAGGCTAGAGGAAGCAAACCTGGTCTTGTGAAGAAGCTGCGGCAGA  
 GTCAGATACAGAAGGAAGCCACCGCACAGAAGCCTACAGCTTCTCAGGGAGCACTGTGACCACCCCTCC  
 CCCACTCGTGCAGGATCCAGAACATTCTGCTGGCAAGACCTCACTTCAGACCTCCTCCACTCGAATA  
 CCCGGCAGCATATCCCACCACCACTGGTCCGAGGTGGGACGAGGTGTCTGCCAAACTGGGACCACAGG  
 CCAGCTCTCAAGTAGTCATGCCACCGCTTGTGAGGGGGCCAGATTACAACATCAGACAGCATTCTCTC  
 TACGGGGCCACCACCCCTCCTCCTGGCCCCCGTGCCTCAGTGCCAGCATGCAGATTACGGGACAGAGG  
 ATCATCCAGCAGGGACTTATCCGTGTCGCAATGTCCCAACACCACTGCTGTTGTCAACATCCCTCAGC  
 CTACTGCAGCCTCCATGAAGGGGACAGCAGTGTCTTCTGCTCAGGCAATTCACCTCCACCAAGTGTGGC  
 TTCTGTGGTTGCATCTGCTGAGTCTCCAGCTAGCCGACAGGCGGCTGCCAAGCTAGCACTGCGCAAGCAG  
 CTGGAGAAGCACTGCTGGAGATCCCCCAACCAAGCCCTGCCAGAGATGAACTTCTTGGCCAGTG  
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 AAAAGAAGGCACTCAAGGTGGAGCACACCAGTCGCCTGAAGGCCGCTTTGTGAAGGCTCTACAGCAAGA  
 GCAGGAGATGGAGCAGCGCTGCTGCAGCAGGGTGTGGTACCAGCAGCATCAAGGCTGAGCCTGCAGCT  
 CCACATCCCACGCTGAAGCAGGTATAAAGCCCCGACGTAAGTTGGCGTCCGCTCAGGAGAGGCCCGTG  
 TCTGGAATAACGGTCTCACTACAGGCTTCCAGCCAGCTGTCCGAGGCTCGGCCACAGCACCTCGTGG  
 TGTTCTGCACACTTTCAGCCAGTCACCCAACTGCAGAATGCAGCCTCAGCTACGGCCCTGGTAAGCAGG  
 ACTGGCAGACATTCGAGAGAGTGTGGGCACCGCAAGGGCACCGCCTCCAAGTGGAAAAGACGCCTC  
 TGAGCACAGGTGGGACCCTCGCCTTCGTAGCCCAAGCTTGGCAGTTCACAAGACCTCCTCGGCTGTGGA  
 TCGACAGCGAGAATACCTCCTGGACATGATTCTCCACGCTCCATCCCCAATCAGCCACATGGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

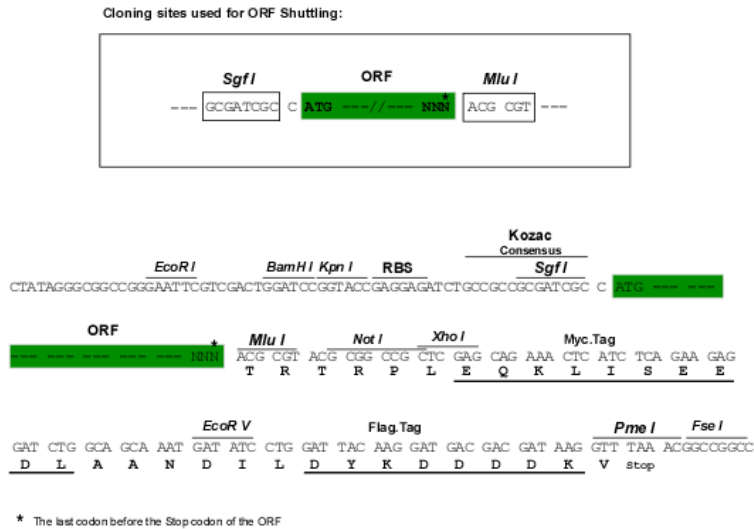
>MR209596 protein sequence  
 Red=Cloning site Green=Tags(s)

MSEACRTRSQRLEPDLTEDDVENKKMKMEKGSSEL TVDGSRVMPPEPSAGSAQGLLRTEAMGTGSG  
 EGLLGDGPVDMRTSHSDMKSEKRPPSPDIVLSDSEQPSSPRVNLTTVALKDTSTEALLKSSPEERERM  
 IKQLKEELRLEEAKLVLLKLRQSQIQKEATAQKPTASSGSTVTPPPLVRGTQINIPAGKTSLQTSSTRI  
 PGSIIPPPLVRGGQVSAKLGPQASSQVMPPLVRGAQIHNIRQHSSTGPPPLLLAPRASVPSMQIQGR  
 IIQQGLIRVANVPNTSLLVNIPQPTAASMKGTAVASQANSTPTSVASVVASAESPASRQAAKLRKQ  
 LEKTLLEIPPPKPPAPEMNPLPSAANNEFIYLVGLEEVVQNLLETQAGRISATAAAAVLSREPYMCVQCK  
 TDFTCRWREKGGAVMCENCMTSNQKALKVEHTSRLKAAFVKALQQEQEMEQRL LQQGVGTASIKAEPA  
 PHPTLKQVIKPRRKLAFRSGEARVWNNSSQLASSQLSRGSATAPRGVLHTFSQSPKLNAAASATALVSR  
 TGRHSERVVGTGKGTASNWKTPLSTGGTLAFVSPSLAVHKTSSAVDRQREYLLDMIPPRSIPQSATWK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001113346

ORF Size: 1890 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\\_001113346.1](#), [NP\\_001106817.1](#)

RefSeq Size: 5062 bp

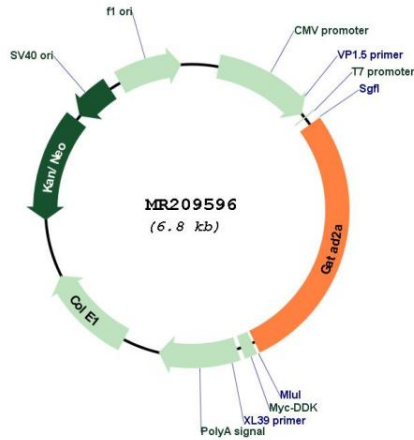
RefSeq ORF: 1890 bp

Locus ID: 234366

UniProt ID: [Q8CHY6](#)

**Cytogenetics:** 8 B3.3  
**MW:** 67.3 kDa  
**Gene Summary:** Transcriptional repressor (By similarity). Enhances MBD2-mediated repression. Efficient repression requires the presence of GATAD2B (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209596