

Product datasheet for **MR230739**

Gatad2a (NM_001286450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gatad2a (NM_001286450) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gatad2a
Synonyms:	1110066C11Rik; BC031407; C80248
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR230739 representing NM_001286450
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGTGAAGAAGCATGCCGAACCCGAGTCAGAAGCGCACCCCTGAACCTGACCTAACGGAGGATGATG
TGGAGAACAAGAAAATGAAAATGGAGAAAAGGGTCATCAGAGCTGACAGTGGACGGAGACAGCAGGGTGAT
GCCAGAGCCGAGTGCAGGCTCAGCCCAGGGTTGCTGAGGACAACAGAGGCCATGGGCACAGGATCTGGC
GAGGGGCTGTTAGGAGACGGGCCTGTGGACATGCGCACTTACACAGTGACATGAAGTCTGAGAAGAGAC
CTCCCTCGCTGATGTGATTGTGCTCTCTGACAGTGAGCAGCCATCGAGCCCAAGGGTGAATGGCCTGAC
CACAGTAGCCTTGAAAGACACCAGCACTGAGGCGCTCTTGAAAAGCAGCCAGAAGAACGAGAGCGGATG
ATCAAGCAGCTGAAGGAGGAGCTGAGGCTAGAGGAAGCAAACCTGGTCTTGTGAAGAAGCTGCGGCAGA
GTCAGATACAGAAGGAAGCCACCGCACAGAAGCCTACAGCTTCTCAGGGAGCACTGTGACCACCCCTCC
CCCCTCGTGCAGGATCCAGAACATTCTGCTGGCAAGACCTCACTTCAGACCTCCTCCACTCGAATA
CCCGGCAGCATATCCCACCACCACTGGTCCGAGGTGGGCAGCAGGTGTCTGCCAAACTGGGACCACAGG
CCAGCTCTCAAGTAGTCATGCCACCGCTTGTGAGGGGGGCCAGGTGAGTCAGATTACACAACATCAGACA
GCATTCCTCTACGGGGCCACCACCCCTCCTCTGGCCCCCGTGCCTCAGTGCCAGCATGCAGATTGAG
GGACAGAGGATCATCCAGCAGGGACTTATCCGTGTGCGCAATGTCCCAACACCAAGTCTGCTTGTCAACA
TCCCTCAGCCTACTGCAGCCTCCATGAAGGGGACAGCAGTTGCTTCTGCTCAGGCAAATCCACTCCCAC
CAGTGTGGCTTCTGTGGTTGCATCTGCTGAGTCTCCAGCTAGCCGACAGGCGGCTGCCAAGCTAGCACTG
CGCAAGCAGCTGGAGAAGACACTGCTGGAGATCCCCCACCAGCCCTGCCAGAGATGAACCTCT
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CAGTGTAAAGACAGACTTCACATGCCGCTGGCGAGAGAAGGGTGGAGCCGTTATGTGTGAGAACTGCATGA
CATCCAACCAAAAAGGCACTCAAGGTGGAGCACACCAGTGCCTGAAGGCCGCTTTGTGAAGGCTCT
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CCTGCAGCTCCACATCCCACGCTGAAGCAGGTCAAAAGCCCCGACGCTTCCAGCCAGCTGTCCCGAGGC
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CTACGGCCCTGGTAAGCAGGACTGGCAGACATTCGAGAGAGTCTGTTGGCACCGGCAAGGGCACCCTC
CAACTGAAAAAGACGCCTCTGAGCACAGGTGGGACCCTCGCTTCGTCAGCCCAAGCTTGGCAGTACAC
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AATCAGCCACATGAAAATAGTGGGAGCCGCCCCAGCCGAGGACAGGCCCTTCTCTCCCAAGGCCCTTG
GTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR230739 representing NM_001286450
 Red=Cloning site Green=Tags(s)

MSEEACRTRSQKRTLEPDLTEDDVENKKMKMEKGSSELTVDGDSRVMPEPSAGSAQGLLRTTEAMGTGSG
 EGLLGDGPVDMRTSHSDMKSEKRPPSPDVIIVLSDSEQPSSPRVNGLTTVALKDTSTEALLKSSPEERERM
 IKQLKEELRLEEAKLVLLKKLRQSQIQEATAQKPTASSGSTVTPPPPLVRGTQNIAPAGKTSLQTSSTRI
 PGSIIPPPLVRGGQVS AKLGPQASSQVMPPLVRGAQVSQIHNIHQHSSTGPPPLLLAPRASVPSMQIQ
 GQRIIQQGLIRVANVPNTSLLVNIQPTAASMKGTAVASAQANSTPTSVASVVAESA PASRQAAAKLAL
 RKQLEKTLLEIPPPKPPAPEMNFLPSAANNEFIYLVGLEEVVQNLLLETQAGRISATAAAA AVL SREP YMCV
 QCKTDFTCRWREKGGAVMCENCMTSNQKKALKVEHTSRLKAAFVKALQQEQEMEQRLLQQGVGTASIKAE
 PAAPHPTLKQVIKPRRFQPAVPRLSHSTSWCSAHFQPVTQTAECSLSYGPGKQDWQTFRESRGRHQHRL
 QLEKDASEHRWDPRLRQPKLGSTQDLLGCGSTARIPPGHDSSTLHPPISHMEIVGAGPAEDRPSSLPRPL
 V

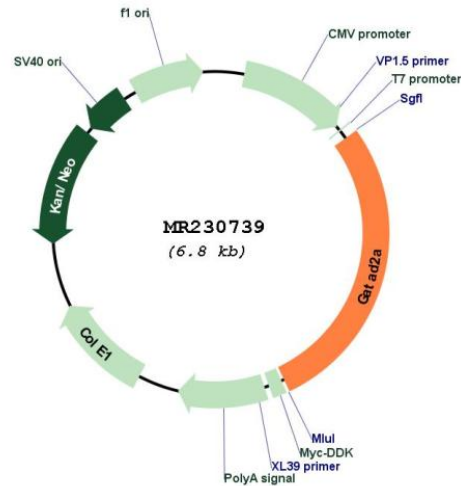
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001286450

ORF Size: 1893 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_001286450.1](#), [NP_001273379.1](#)

RefSeq Size: 5160 bp

RefSeq ORF: 1896 bp

Locus ID: 234366

Cytogenetics: 8 B3.3

MW: 68.6 kDa

Gene Summary: Transcriptional repressor (By similarity). Enhances MBD2-mediated repression. Efficient repression requires the presence of GATAD2B (By similarity).[UniProtKB/Swiss-Prot Function]