

Product datasheet for **MC219461**

Gatad2b (NM_139304) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gatad2b (NM_139304) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gatad2b
Synonyms:	AL118180; C430014D17Rik; mKIAA1150; P66beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219461 representing NM_139304
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATAGAATGACAGAAGATGCTCTGCGCCTGAATCTTTGAAGAGGAGTTTGACCCAGCAGATGAGC
GAGATGATGTTCTGGCAAACGACTGAAAATGGAGGGGCATGAGGCCATGGAACGGCTGAAAATGTTAGC
ACTGCTCAAAGGAAAGATTTGGCAAATCTTGAGGTGCCGCATGAGTTACCTACTAAGCAAGATGGCAGT
GGTGTCAAGGGTTATGAAGAGAACTTAATGGAATCTCAGGCCTCATGGAGACAACAACAGGACTGCTG
GAAGGCCCGCAAAGAAAACATCAATGATGAGCCTGTGGATATGAGTGCTAGACGGAGTGAGCCAGACCG
AGGAAGGCTAACTCCTTCCCAGACATAATTGTTTTGTCTGATAATGAGGCCTCCAGTCCCCGATCCAGC
TCCCGGATGGAAGAGAGACTCAAAGCAGCAACCTAGAGATGTTAAGGGGAAAGGCATGGAGGAGCGGC
AGCAGCTTATCAAGCAACTGAGGGACGAGCTACGATTGGAAGAAGCTCGCCTGGTCTGCTAAAGAACT
GAGACAGAGTCAGCTACAGAAAGAGAATGTGGTCCAAAAGACTCCAGTTGTACAGAATGCAGCATCTATT
GTTGAGCCATCTCTGCACATGTGGGACAACAAGGCTTATCTAAGCTTCCCTCCCGACCCGGGGCTCAAG
GAATTGAACCTCAAATATGAGAACATTACAGGGTCACAGTGTCATCCGTTCCAGCAACCAACACCACCT
TCCACACATGTTGATGTCTCAACGTGTTATTGCACCAAATCCAGCCCACTTCAGGGCCAGCGGGGTCCA
CCGAAGCCTGGCATTGTACGCACCACAACCTAACATGAATCCTGCCATCAGCTACCAACCACAGTCAA
GTTGCTGTGTTCCCTGTGACGCGCACACGTCTTCTGCCATCTATATGAACCTTGCTCCCATATTCAACC
AGGGACTGTGAACAGAGTGTCCTCACCCTTCTAGCCCCAGTGCCATGAGTGACGCTGCCAACTCACAG
GCTGCAGCCAAGTTGGCCCTTCGAAAACAGCTGGAAAAGACGCTCCTGGAGATACCACCTCAAAGCCTC
TGCTCCCTTGCTTCACTTCTGCTAGTGCAGCCAATAGCGAGTTTATCTACATGGTAGGCTTGGGAAGA
AGTTGTACAGAGTGTATTGACAGCCAAGGCAAAAAGTGTGCTCACTTCTGAGGGTCGAACCCCTTGTGA
TGTGCCAGTGCCGCACAGATTTACCCCTCACTGGAAGCAAGAAAAGAATGGTAAGATCCTCTGTGAGC
AGTGTATGACTTCCAACCAGAAAAGGCTCTAAAAGCTGAACACACTAACCAGGCTGAAAAACGCTTTCGT
TAAAGCCCTACAGCAGGAACAGGAAATGAACAGCGATTACAGCAGCAGGCAGCACTCTCCCAACGACA
GCTCCAGCTGTATCCAGTGTGAGTAAACAGGAGACCATCATGAGACATCATACACTGCGGCAGGCTCCAC
AGCCCCAGAGCAGCCTCCAGCGTGGTATACCCACATCTGCCCGATCCATGCTTTCAAACCTTGCACAGGC
ACCCCAATTGCTGTGCCAGGTGGCCTCCTTGGTATGCCAGGTGTCAACATTGCATACTTGAACACTGGC
ATCGGAGGACATAAAGCCCAAGTTTGGCAGACCGGCAGCGTGAATACCTTTAGACATGATCCCTCCCA
GGTCTATATCGCAGTCCATCAGTGGGCAGAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_139304

Insert Size: 1785 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_139304.1](#), [NP_647465.1](#)

RefSeq Size: 1912 bp

RefSeq ORF: 1785 bp

Locus ID: 229542

UniProt ID: [Q8VHR5](#)

Cytogenetics: 3 F1

Gene Summary: Transcriptional repressor. Enhances MBD2-mediated repression. Efficient repression requires the presence of GATAD2A (By similarity). Targets MBD3 to discrete loci in the nucleus (By similarity). Plays a role in synapse development (By similarity).[UniProtKB/Swiss-Prot Function]