

Product datasheet for **RR217021**

Gatad2a (NM_001013881) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gatad2a (NM_001013881) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gatad2a
Synonyms:	RGD1310596
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR217021 representing NM_001013881
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAAGAAGCATGCCGAACCCGAGTCAGAAGCGAGCCTTTGAACCTGACCTAACGGAGGATGATG
 TGGAGAGCAAGAAAATGAAAATGGAGAGAGGACCATCAGAAGTCCGGTGGATGGAGACAGCAGGGTGGT
 GCCAGAGCCAGTGCAGGCCAGCCAGGGTTGCTGAGGACAACAGAGGCCATGGGCACAGGATCTGGC
 GAAGGGCTGTTAGGAGACGGGCTGTGGACATGCGTACCTCACACAGTGACATGAAGTCTGAGAAGAGAC
 CTCCTCGCTGATGTGATTGTGCTCTCTGACAGCGAGCAGCCATCAAGCCCAGGGTGAATGGCCTGAC
 CACAGTGGCCTTGAAAGACACCAGCACTGAGGCGCTCTTGAAAAGCAGCCAGAAGAGCGAGAACGGATG
 ATCAAGCAGCTGAAGGAGGAATTGAGGCTAGAGGAAGCAAAGCTGGTCTTGTGGAAGAAGCTGCGACAGA
 GTCAAATACAGAAGGAAGCCACTGCCAGAAGCCTACAGCTTCTCAGGGAGCACTGTGACCACCCCTCC
 CCCACTCGTGCAGGGTCCCAGAACATTCTGCTGGCAAGCCATCACTCCAGACCTCTCCACTCGGATA
 CCCGGCAGCATATCCCACCACCACTGGTCCGAGGTGGGCAAGCAGGTGTCTGCCAAACTGGGACCACAGG
 CCAGCTCTCAAGTAGTCATGCCACCCTTGTGAGGGGAGCCAGCAGATTCAACAATCAGACAGCATTCT
 CTCACGGGGCCACCACCCCTCCTCGGCCCGCGTGCCTCAGTCCCAGCATGCAGATTAGGGACAG
 AGGATCATCCAGCAGGGACTCATCCGGTGCCTAATGTCCCAACACCAGTCTGCTCGTCAATATCCCTC
 AGCCTACGGCAGCCTCACTGAAGGGGACAACAGTTGGCTCTGCTCAGGCAAACCTCCACTCCCAGCAGTGT
 GGCTTCTGTGGTTGCCTCTGCTGAGTCCCAGCTAGCCGGCAGGCTGTGCCAAGCTAGCGCTGCGCAAG
 CAGTTGGAGAAGACACTGCTGGAGATCCCCCACCAGCCCAAGCCCTGCTCCGGAGATGAATTCTTGCCCA
 GTGCTGCCAACAAATGAATTCATCTATCTGGTCCGCTTGGAGGAAGTGGTGCAGAACCTGTGGAGACGCA
 AGCGGGCAGGATTTCTGCCACCTCAGTCTGCTGCCGTGTTATCCCGGAGCCTTACATGTGTGCGAGTGT
 AAGACAGACTTCACATGCCGCTGGCAGAGAAAGGTTGGAGCTGTGATGTGTGAGAACTGCATGACATCCA
 ACCAAAAGAAGGCACTAAAAGTGGAGCACACCAGTGCCTGAAGGCCGCTTCGTGAAGGCGCTACAACA
 AGAGCAGGAGATGGAGCAGGACTGCTGCAGCAGGGCGTAGGCACCGCCAGCATCAAGGCTGAGACCGCA
 GCTCCACATCCCTCGTGAAGCAGGTATAAAGCCCCGACGTAAGTTGGCGTTCGCTCAGGAGAGGGCC
 GTGACTGGAATAACGGGTCGTAACAGACTTCCAGCCAGCTGTCCCGGGTTCAGCCACAACACCTCG
 TGGTGTCTGCACACTTTCAGCCAGTACCCAACTGCAGAACGCAGCCTCAGCTACGGCCCTGGTAAGC
 AGGACTGGCAGACATTCGAGAGAGTCTGGGCACCAGCAAGGGCACCGCTCCAAGTGGAAAAAGACAC
 CTCTGAGCACAGGTGGGACGCTTGCCTTCTGTCAGCCAAAGCTTGGCAGTGCACAAGAGCTCTCGGCCGT
 GGACCGACAGCGAGAGTACCTCCTGGACATGATTCTCCACGCTCCATCCCCAGTCAGCCACATGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217021 representing NM_001013881
 Red=Cloning site Green=Tags(s)

MSEACRTRSQKRAFEPDLTEDDVESKKMKMERGPSELVVDGDSRVMPEPSAGPAQGLLRTEAMGTGSG
 EGLLGDGPVDMRTSHSDMKSEKRPPSPDVIIVLSDSEQPSPRVNLTTVALKDTSTEALLKSSPEERERM
 IKQLKEELRLEEAKLVLLKLRQSQIQKEATAQKPTASSGSTVTPPPLVRGPQNIIPAGKPSLQTSSTRI
 PGSIIPPPLVRGGQVSAKLGPQASSQVMPPLVRGAQQIHNIRQHSSTGPPPLLLAPRASVPSMQIQGQ
 RIIQQGLIRVANVPNTSLLVNIPOPTAASLKGTTVGSQAQANSTPSSVASVVASAESPASRQAAAKLALRK
 QLEKTLLEIPPPKPPAPEMNFPSAANNEFIYLVGLEEVVQNLLETQAGRISATSAAAVLSREPYMCVQC
 KTDFTCRWREKGGAVMCENCMTSNQKKALKVEHTSRLKAAFVKALQQEQEMEQRLLQQGVGTASIKAE
 TAPHPSLKQVIKPRRKLAFRSGEARDWNNQSVLQTSQSLSRGSAATPRGVLHTFSQSPKLQNAASATALVS
 RTGRHSERVVGTSGKTASNWKKTPLSTGGTLAFVSPSLAVHKSSSAVDRQREYLLDMIPPRSIIPQSATWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013881

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_001013881.2](#), [NP_001013903.2](#)

RefSeq Size: 4510 bp

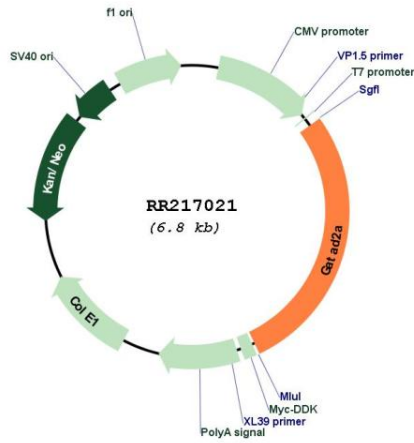
RefSeq ORF: 1893 bp

Locus ID: 290669

Cytogenetics: 16p14

MW: 67.6 kDa

Product images:



Circular map for RR217021