

Product datasheet for **MR216045**

Gatadl (NM_026033) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Gatadl
Synonyms:	2310031E19Rik; 2810047M21Rik; 8430439A17Rik; 9130430G15Rik; B330017N08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR216045 representing NM_026033
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGCTGGGCCTGAAGCCACCTGCAGCATGTGCAAGACTACGTCGTCTCCATGTGGAAGAAGAGTC
CACAGGGCGAGATCCTCTGCCATCACTGCACGGGCCGGGGCGGCGCGGGAGTGGCGGGCGGGAC
CGGGGGCGGTGGCGGGCGGGCGGTGGCTTCGGCACCACCACCTTCGCCACCACCTCGGCCGGTCTTCG
CAGAGCAACGGGGCGGGCGGCAAGCAGAGTAAGCAAGAAATTCACAGAAGGTGGCCCGGCTCAGAA
ATACCAAATACAAATCGGCTCCAGCTGCTGAAAAGAAAGTTTCCACGAAAGGAAAAGGAGAAGACATAT
TTTTAAGTTAAAAATCCTATCAAAGCGCCTGAATCTGTTTCTACCATAGTCACTGCAGAGTCAATCTTC
TACAAGGGAGTATATTACCAAATTGGTGACGTTGTTTCTGTGATTGATGAGCAAGATGGGAAGCCGTACT
ATGCTCAGATCAGGGGCTTTATTCAGGACCAGTACTGTGAGAAGAGTGCCGCGCTGACATGGCTCATTCC
TACCCTCGCCAGTCCCAGAGACCAGTTTGATCCTGCATCATATATAATAGGGCCAGAGGAAGATCTTCCA
AGGAAGATGGAGTACCTGGAATTTGTCTGCCACGCGCTTCTGAGTATTTCAAGTCAAGGTCTCACCAT
TTCCACGGTTCCACCCGACCGGAGAAGGGCTACATATGGACTCACGTTGGACCTACTCTCGCATAAC
TATTAAGGAAACAGTTGCCAACCATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR216045 representing NM_026033

Red=Cloning site Green=Tags(s)

MPLGLKPTCSMCKTTSSSMWKKSPQGEILCHHCTGRGGGAGVAGGTGGGGGGGGFTTTTFATTSAGPS
QSNNGGGGKQSKQEIHRRSARLRNTKYKSAPAAEKVSTKGKRRHIFKLKNPIKAPESVSTIVTAESIF
YKGVVYQIGDVVSVIDEQDGKPYAQIRGFIQDQYCEKSAALTWLIPTLASPRDQFDPASYIIGPEEDLP
RKMEYLEFVCHAPSEYFKSRSSPFTVPTRPEKGYIWHVGPTPAITIKETVANHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

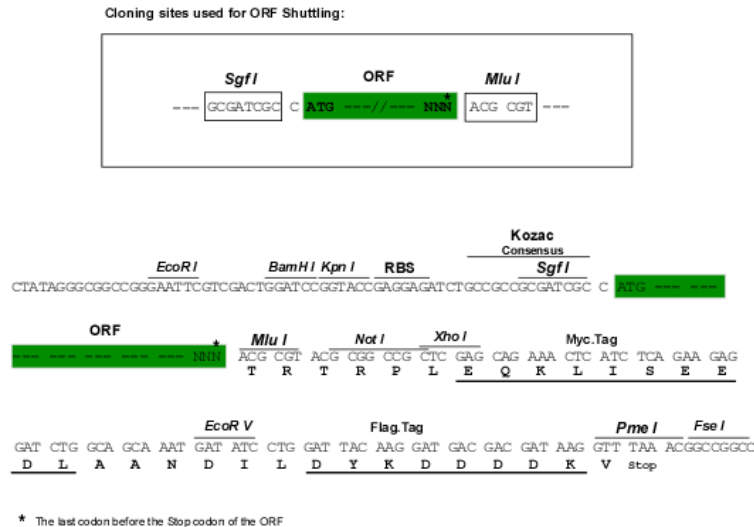
Chromatograms:

https://cdn.origene.com/chromatograms/mm9090_a10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:

NM_026033

ORF Size:

798 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026033.2](#), [NP_080309.2](#)

RefSeq Size: 2547 bp

RefSeq ORF: 801 bp

Locus ID: 67210

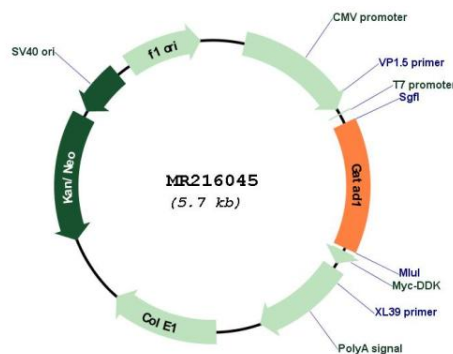
UniProt ID: [Q920S3](#)

Cytogenetics: 5 A1

MW: 28.5 kDa

Gene Summary: Component of some chromatin complex recruited to chromatin sites methylated 'Lys-4' of histone H3 (H3K4me).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216045