

Product datasheet for **RR202033**

Gata2 (NM_033442) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gata2 (NM_033442) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gata2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202033 representing NM_033442
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGTGGCGCCTGAGCAGCCTCGTGGATGGCGCACCCCGCGTATTGAATGCGCAGCACCCCGACT
 CGACCATCCGGGCTGGCACACAACACTACATGGAGCCGGCACAGCTGCTGCCTCCGGACGAGGTGGATGT
 CTTCTTCAACCACCTCGACTCGCAGGGCAACCCCTACTACGCCAACCCAGCCACGCGCGCGCGCGCTT
 TCCTACAGTCCAGCGCATGCCCGTCTCACAGGAGGCCAGATGTGCCGACCACACTTGTTCACAGCCAG
 GCTTGCCATGGCTGGACGGGGGCAAGCAGCTCTCTGCGGCTGCTGCCATCACCACAGCCCTGGAC
 CGTCAGCCGTTCTCAAGACCCCGCTGCACCCCTCAGCTGCTGGAGCACCTGGAGGGCTCTGTCTGTG
 TACCCAGGGGCTCGGGTGGGAGCGGTGGAGGCAGCGGGAGCTCCGTAGCCTCCCTACCCCACTGCAG
 CCCACTCAGGCTCCCATCTCTCGGCTTCCACCCAGCCACCCAAAGAAGTGTCTCCAGACCCAGCAC
 CACAGGAGCTGCTTCCCAGCCTCACCTTCAGCAGGGGTAGTGTAGCCCGGGTGAGGACAAGGATGGC
 GTCAAGTATCAAGTGTCACTGTCTGAGAGCATGAAGATGGAAGGTGGCAGTCCCTGCGCCCGGGCTAG
 CTCCCATGGGCACCCAGCCTGCAACACACCACCAATACCCACCTATCCCTCCTATGTGCCTGCCTCAGC
 TCATGAATATGGCAGCGGGCTTCCATCCCAGGAGCTTCTGGGTGGCCAGCCTCCAGCTTACCCCT
 AAGCAGCGAAGCAAGGCTCGCTCCTGCTCAGAAGCCGGGAGTGTGTCAACTGCGGGGCCACAGCCACCC
 CTCTCTGGCGACGGGATGGCAGGGCCACTACCTGTGCAATGCCTGTGGGCTCTACCACAAGATGAATGG
 ACAGAATCGGCCGCTCATCAAGCCCAAGAGGAGACTGTCTGCTGCCAGGAGAGCGGGCACCTGTTGTGCA
 AATTGTGACAGCACAACCACCTTATGGCGCCGAACGCCAACGGGGACCTGTGTGCAACGCCTGTG
 GCCTCTACTACAAGTGCACAATGTTAACAGGCCACTGACCATGAAGAAGGAAGGATCCAGACCCGGAA
 TCGGAAGATGTCCAGCAATCCAAGAAGCAAGAAGGAGCCGAATGCTTTGAGGAGCTATCCAAGTGC
 ATGCAGGAGAAGTCATCCCCCTCAGTGCGGCTGCCCTGGCTGGACACATGGCACCTGTGGGACACCTCC
 CACCTTTTAGTCACTCTGGACACATCCTACCTACGCCAACGCCTATCCACCCCTCCTCAGTCTCTCCTT
 TGGTACCCCCACCCGTCCAGCATGGTACTGCCATGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202033 representing NM_033442
 Red=Cloning site Green=Tags(s)

MEVAPEQPRWMAHPAVLNAQHPDSSHPLAHNYMEPAQLLPDDEVDFVFNHLDSSQGNPYYPANPAHARARV
 SYSPA HARL TGGQMCRPHLLHSPGLPWL DGGKAAL SAAAHHHSPWTVSPFSKTP LHP SAAGAPGGPLSV
 YPGAAGSGGGSSVASLTPTAAHSGSHLFGFPPTPPKEVSPDPSTTGAASPASPAGGVSARGEDKDG
 VKYQVSLSESMKMEGGSPLRPLAPMGTQPATHHPIPTYSPYVPA SAHEYGSGLFHPGGFLGGPASSFTP
 KQRSKARSCSEGRECVNCGATATPLWRRDGTGHYLCNACGLYHKMNGQNRPLIKPKRRLSAARRAGTCCA
 NCQTTTTTLWRRNANGDPVCNACGLYYKLHNVRPLTMKKEGIQTRNRKMSKSKSKKGAECFEELSKC
 MQEKSSPFSAALAGHMAPVGHLPFSSHGHILPTPTIHPSSSLSFGHPPSSMVTAMG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

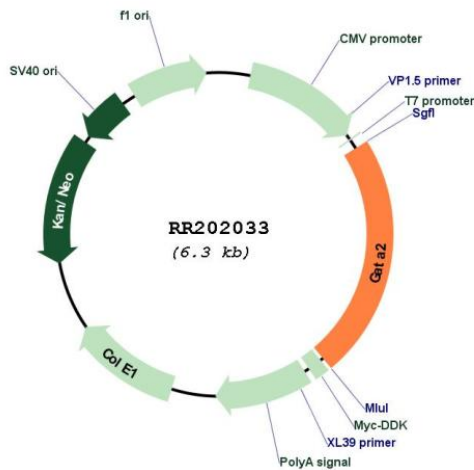
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_033442

ORF Size: 1440 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_033442.1](#), [NP_254277.1](#)

RefSeq Size: 3411 bp

RefSeq ORF: 1443 bp

Locus ID: 25159

UniProt ID: [Q924Y4](#)

Cytogenetics: 4q34

MW: 50.5 kDa

Gene Summary: mediates phagocytosis function of alveolar macrophages [RGD, Feb 2006]