

Product datasheet for **MR227460**

Gata3 (NM_008091) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gata3 (NM_008091) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gata3
Synonyms:	Gata-3; jal
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227460 representing NM_008091
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGACTGCGGACCAGCCGCGCTGGGTGAGCCACCATCACCCCGGGTCTCAACGGTCAGCACC
 CAGACACGCACCACCCGGGCTCGGCCATTTCGTACATGGAAGCTCAGTATCCGCTGACGGAAGAGGTGGA
 CGTACTTTTTAACATCGATGGTCAAGGCAACCACGTCCCGTCTACTACGAAACTCCGTAGGGGTACG
 GTGCAGAGGTATCCTCCGACCCACCAGGGAGCCAGGTATGCCGCCCGCCTCTGTGCACGGATCTCTGC
 CCTGGCTGGATGGCGCAAAGCCCTGAGCAGCCACCACCCGCTCGCCCTGGAACCTCAGCCCCTTCTC
 CAAGACGTCCATCCACCAGGCTCTCCGGGGCTCTGTCCGTTTACCCTCCGGCTTCATCTCTTCTCTG
 GCGGCCGGCCACTCCAGTCTCATCTTACCTTCCCGCCACCCCGCCGAAAGACGTCTCCCAGACC
 CGTCGCTGTCCACCCGGGATCCGCCGGTCCGCCAGGCAAGATGAGAAAGAGTGCCTCAAGTATCAGGT
 GCAGCTGCCAGATAGCATGAAGCTGGAGACGTCTCACTCTCGAGGCAGCATGACCACCCTGGGTGGGCC
 TCATCCTCAGCCACCACCCATTACCACCTATCCGCCCTATGTGCCGAGTACAGCTCTGGACTCTTCC
 CACCCAGCAGCCTGCTGGGAGGATCCCCTACCGGGTTCGGATGTAAGTCCAGGCCCAAGGCACGATCCAG
 CACAGAAGGCAGGGAGTGTGGAAGTCCGGGGCAACCTCTACCCACTGTGGCGGCAGATGGTACCGGG
 CACTACCTTTGCAATGCCTGCGGACTCTACCATAAAATGAATGGGCAGAACCGGCCCTTATCAAGCCCA
 AGCGAAGGCTGTCCGAGCAAGGAGAGCAGGGACATCTGCGCGAACTGTGAGACCACCACCACCACCT
 CTGGAGGAGGAACGCTAATGGGGACCCGGTCTGCAATGCCTGTGGGCTGTACTACAAGCTCATAATATT
 AACAGACCCCTGACTATGAAGAAAGAAGGCATCCAGACCCGAAACCGGAAGATGTCTAGCAAATCGAAAA
 AGTGCAAAAAGGTGCATGACGCGCTGGAGGACTCCCCAAGAGCAGCTCCTTCAACCCGGCCGCTCTCTC
 CAGACACATGTCATCCCTGAGCCACATCTCCCTTTCAGCCACTCCAGCCACATGCTGACCACACCGACG
 CCCATGCATCCGCCCTCCGGCCTCTCTTCCGGACCTCACACCCTTCCAGCATGGTACCAGCCATGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227460 representing NM_008091
 Red=Cloning site Green=Tags(s)

MEVTADQPRWVSHHPAVLNGQHPDTHHPGLGHSYMEAQYPLTEEVDFLNFIDGQGNHVPSYYGNSVRAT
 VQRYPPTHHGSQVCRPPLLHGSLPWLDDGGKALSSHHTASPNLSPFSKTSIHHGSPGPLSVYPPASSSSL
 AAGHSSPHLFTFPPTPPKDVSPDPSLSTPGSAGSARQDEKECLKYQVQLPDSMKLETSHSRGSMITLGG
 SSSAHPITTYPPYVPEYSSGLFPPSSLLGGSPTFGCKSRPKARSSTEGRECVNCGATSTPLWRRDGTG
 HYL CNACGLYHKMNGQNRPLIKPKRRLSAARRAGTSCANCQTTTTLWRRNANGDPVCNACGLYYKLHNI
 NRPLTMKKEGIQTRNRKMSKSKKCKVHDALEDFPKSSSFNPAALSRHMSSLSHISPFSSHMLTPT
 PMHPPSGLSFGPHHPSSMVTAMG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_008091

ORF Size: 1329 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_008091.3](#), [NP_032117.1](#)

RefSeq Size: 3257 bp

RefSeq ORF: 1332 bp

Locus ID: 14462

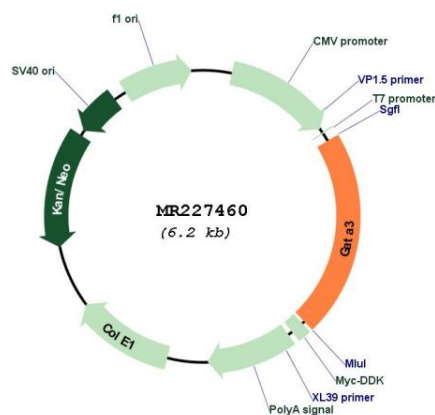
UniProt ID: [P23772](#)

Cytogenetics: 2 6.69 cM

MW: 48.4 kDa

Gene Summary: Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227460