

Product datasheet for **MC215786**

Gata3 (NM_008091) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC215786 representing NM_008091
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGTGACTGCGACCAGCCGCGCTGGGTGAGCCACCATCACCCGCGGTCTCAACGGTCAGCACC
 CAGACACGCACCACCCGGCCTCGGCCATTCGTACATGGAAGCTCAGTATCCGCTGACGGAAGAGGTGGA
 CGTACTTTTTAACATCGATGGTCAAGGCAACCACGTCCCGTCTACTACGGAAATCCGTAGGGGTACG
 GTGCAGAGGTATCCTCCGACCCACCAGGGAGCCAGGTATGCCGCCCGCCTCTGTGCACGGATCTCTGC
 CCTGGCTGGATGGCGCAAAGCCCTGAGCAGCCACCACCCGCTCGCCCTGGAACCTCAGCCCTTCTC
 CAAGACGTCCATCCACCAGGCTCTCCGGGCTCTGTCCGTTTACCCTCCGGCTTCATCTCTTCTCTG
 GCGGCCGCCACTCCAGTCTCATCTTACCTTCCCGCCACCCCGCGAAAGACGTCTCCCAGACC
 CGTCGCTGTCCACCCGGATCCCGGGTCCGCCAGGCAAGATGAGAAAGAGTGCCTCAAGTATCAGGT
 GCAGCTGCCAGATAGCATGAAGCTGGAGACGTCTACTCTCGAGGCAGCATGACCACCCTGGGTGGGGCC
 TCATCCTCAGCCACCACCCATTACCACCTATCCGCCCTATGTGCCGAGTACAGCTCTGGACTCTTCC
 CACCCAGCAGCCTGCTGGGAGGATCCCCTACCGGGTTCGGATGTAAGTCCGAGGCCAAGGCACGATCCAG
 CACAGAAGGCAGGGAGTGTGGAAGTGCAGGGCAACCTCTACCCACTGTGGCGGCAGATGGTACCGGG
 CACTACCTTTGCAATGCCTGCGGACTCTACCATAAAATGAATGGGCAGAACCGGCCCTTATCAAGCCCA
 AGCGAAGGCTGTCCGAGCAAGGAGAGCAGGGACATCCTGCGGAACTGTGAGACCACCACCACCCT
 CTGGAGGAGGAACGCTAATGGGGACCCGGTCTGCAATGCCTGTGGGTGTACTACAAGCTTCATAATATT
 AACAGACCCCTGACTATGAAGAAAGAAGGCATCCAGACCCGAAACCGGAAGATGTCTAGCAAATCGAAAA
 AGTGCAAAAAGGTGCATGACGCGCTGGAGGACTCCCCAAGAGCAGCTCCTTCAACCCGGCCGCTCTCTC
 CAGACACATGTCATCCCTGAGCCACATCTCCCTTCAGCCACTCCAGCCACATGCTGACCACACCGAGC
 CCCATGCATCCGCCCTCCGGCCTCTCTTCGGACCTCACACCCTTCAGCATGGTCACCGCCATGGGTT
 AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2714_e07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_008091

Insert Size: 1332 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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_008091.3, NP_032117.1</u>
RefSeq Size:	3257 bp
RefSeq ORF:	1332 bp
Locus ID:	14462
UniProt ID:	<u>P23772</u>
Cytogenetics:	2 6.69 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>