

## Product datasheet for MC208526

### Gata1 (NM\_008089) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gata1 (NM_008089) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gata1
Synonyms:	eryf1; Gata-1; Gf-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208526 representing NM_008089 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTTTCCTGGTCTAGGGGCCCTGGGGACCTCAGAACCCTTGCCCCAGTTTGTGGATTCTGCCCTGG  
TGTCTCACCATCAGATTCACAGGTTTCTTTCTCTGGGCCAGAGGTTTGGATGCAGCATCTTCTTC  
CACTTCCCAAATGCAGCCACGGCCGAGCATCAGCACTGGCCTACTACAGAGAAGCTGAGGCTACAGA  
CACTCCCCAGTCTTTAGGTGTATCCACTGCTCAACAGTATGGAGGAATTCCTGGGGGCTCACCTATG  
CTAGCTGGGCCTATGGCAAGACGGCACTCTACCCTGCCTCAACTGTGTGCCAGCCATGAGGATGCCCC  
TTCCCAGGCCCTGGAAGACCAGGAAGGGAAGAGCAACAACACGTTCTTGGACACCTGAAGACGGAGCGG  
CTGAGTCCAGACCTCCTGACGCTGGGGACTGCACTGCCTGCATCGCTCCCTGTCACCGGCAGTGCTTACG  
GGGGAGCTGACTTTCCAGTCTTTCTTCTCTCCCACTGGGAGCCCTCTCAGCTCAGCAGCCTATTCTTC  
CCCCAAGTTTTCATGGAAGCCTGCCATTGGCCCCCTGTGAGGCCAGAGAGTGTGTGAAGTGTGGAGCAACG  
GCTACTCCACTGTGGCGGAGGGACAGGACAGGTCACTACCTGTGCAATGCCTGTGGCTTGTATCACAAGA  
TGAATGGTCAGAACCGCCTCTCATCCGGCCCAAGAAGCGAATGATTGTCAGCAAACGGGCAGGCACCCA  
ATGCACTAACTGTCAAACGACCACTACAACACTCTGGCGGAGGAATGCCAGCGGAGATCCGGTATGCAAT  
GCCTGCGGCCTCTATTTCAAGCTCCATCAGGTGAACCGCCCACTGACCATGAGGAAGATGGAATCCAGA  
CGAGGAACCGCAAGGCATCTGGCAAAGGAAAAAAGAAGCGGGGTCGAATCTGGCTGGAGCGGGAGCGGC  
TGAAGGACCAGCTGGTGGCTTATGGTGGTAGCTGGTAGCAGCAGTAGTGGGAATTGTGGGGAGGTGGCC  
TCAGGCTTGGCACTGGGCACTGCAGGACTGCCACCTCTATCAGGGCCTAGGACCTGTGGTACTGTGAG  
GGCCTGTCAGCCATCTTATGCCTTTTCTGGACCTCTGCTGGGATCGCCTACAACCTCTTCCCCACCGG  
TCCTGCACCTACCACCAGCAGCACCAGCGTGATCGCCCCACTCAGTTCT**TGA**

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008089
<b>Insert Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_008089.2</a> , <a href="#">NP_032115.1</a>
<b>RefSeq Size:</b>	1902 bp
<b>RefSeq ORF:</b>	1242 bp
<b>Locus ID:</b>	14460
<b>UniProt ID:</b>	<a href="#">P17679</a>
<b>Cytogenetics:</b>	X 3.59 cM
<b>Gene Summary:</b>	<p>Transcriptional activator or repressor which probably serves as a general switch factor for erythroid development. It binds to DNA sites with the consensus sequence 5'-[AT]GATA[AG]-3' within regulatory regions of globin genes and of other genes expressed in erythroid cells. Activates the transcription of genes involved in erythroid differentiation of K562 erythroleukemia cells, including HBB, HBG1/2, ALAS2 and HMBS (By similarity). [UniProtKB/Swiss-Prot Function]</p>