

## Product datasheet for **MC208527**

### Gata5 (NM\_008093) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gata5 (NM_008093) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gata5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NM_008093.2 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACCAAAGCTTGGCGTTAGCCAGAGCCCCGGCCAGGGCACTTACGCCGACTCCGGAGCCTTTCTGC  
ACTCTTCGGGAACCGGCTCCCCGGTGTTCTGTGGCACCCACTCGCATGCCCTCCATGCTGCCGTACCTGCC  
TTCGTGTGAGCCGGGCTCGCAGGCTCCCCGCTCGCCGCGCACTCCAGCTGGACACAAGCAGTTGCCGCT  
GATTCCTCAGCCTTCGGCTCCGGAAGCCCGACCCGCCAGCCGCACACCCACGGGAGCCACCACCTTCC  
CGTTCGCTCAGCCCTCCGGGTCGGGCAGCGCGGCGAGCGGGGTCCGGGACGGCGGCCCTTCCA  
GGGCGCGCTGCTGGCTCGGAACAGTACCCGACCCGCTCGGGAGACCCATGGGCGCCTCGTACCCACA  
ACCTACCCAGCATAACATGAGTTCGACGTAGCCCTTCGTGGACCTCCGGAGCCTTCGACAGCAGCATCC  
TGCACGGTCTGCAAGCTCGCCCTGGTGGCTCCCTGGCCGAGGACCAGCTTCGTACCTGACTTCTTGA  
GGAGTTCCTGGTGGGCGGGAGTGCCTCAACTGTGGAGCCCTGTCTACCACTGTGGCGCAGGGAC  
GGCACCGGACACTATCTATGCAATGCCTGCGGCCCTATCACAAGATGAACGGGGTCAACCGACCGCTAG  
TGAGGCCCCAGAAGCGTCTGTCTCATCCGAAGATCCGGCTATGCTGTCCAAGTCCATACTGCCAC  
CACCACCTCTGGAGGCGCAACTCGGAGGGCGAACAGTGTGCAACGCTGTGGCCTCTACATGAAGCTC  
CATGGGGTGCCAAGGCCACTGGCAATGAAAAGGAGAGTATCCAGACAAGAAAACGGAAGCCAAAGAACC  
CTGCCAAAATCAAGGGCTCCTCAGGATCCACAGCAACACACAGCCTTCTCCCACTCTCCTCAACTC  
TGAGAGCTCAGCCACCACTTTGAAGGCAGAGTCCAGTCTGGCATCTCCAGTGTGTGCTGGGCCACTATC  
ACCTCCCAGGCCCTCCAGCCAGCGGACGAATCCCTGGCCTCCAGCCATTTGGAGTTCAAGTTCGAACCTG  
AAGACTTTGCCTTACCTCCTCGTCCATGAGCCCCAGGCTGGTCTCAGTGGGGTCTACGTCAGGAGAC  
CTGGTGTGCTCTGGCCTTGGCCTAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1329\\_e01.zip](https://cdn.origene.com/chromatograms/ja1329_e01.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008093
<b>Insert Size:</b>	1215 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u>NM_008093.2, NP_032119.2</u>
<b>RefSeq Size:</b>	3302 bp
<b>RefSeq ORF:</b>	1215 bp
<b>Locus ID:</b>	14464
<b>UniProt ID:</b>	<u>P97489</u>
<b>Cytogenetics:</b>	2 102.85 cM
<b>Gene Summary:</b>	Transcription factor required during cardiovascular development (By similarity). Plays an important role in the transcriptional program(s) that underlies smooth muscle cell diversity (PubMed:9119112). Binds to the functionally important CEF-1 nuclear protein binding site in the cardiac-specific slow/cardiac troponin C transcriptional enhancer (By similarity). [UniProtKB/Swiss-Prot Function]