

Product datasheet for **MC216629**

Gata2 (NM_008090) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gata2 (NM_008090) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gata2
Synonyms:	Gata-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216629 representing NM_008090
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGTGGCGCCTGAGCAGCCTCGTGGATGGCGCACCCCGCGTATTGAATGCGCAGCACCCCGACT
 CGACCATCCGGCCTGGCGCATAACTACATGGAGCCAGCACAGCTGCTGCCTCCCGACGAGGTGGATGT
 CTTCTTCAACCATCTCGACTCGCAGGGCAACCCTTACTACGCCAACCCGCCCCACGCGCGCGCGCGTT
 TCCTACAGCCCGGCGCATGCCCGTCTCACCAGGAGCCAGATGTGCCGACCACACTTGTTCACAGCCAG
 GCTTGCCGTGGCTGGACGGGGGCAAGCAGCTCTCTGCGCGCCTGCCATCACCACAGTCCCTGGAC
 CGTCAGCCGTTCTCAAGACCCCGCTGCACCCCTCAGCTGTGGAGCACCCGGAGGGCCTCTGTCTGTT
 TACCCAGGGGCTCGGGTGGGAGCGGGGAGGCAGTGGGAGCTCCGTGGCTCCCTACCCCACTGCAG
 CCCACTCGGGCTCCATCTTTCGGCTTCCACCCAGCCACCCAAGAAGTGTCTCCAGACCCACGAC
 AACAGGAGCTGTTCCCGGCCTTCTTCTGCGGGGTAGTGTAGCCCGGGTGAGGACAAGGATGGC
 GTCAGTACCAAGTGTCACTCTCCGAGAGCATGAAGATGGAAGCGCGCAGTCCCTGCGCCCGGGCTAG
 CTACCATGGGCACCCAGCCTGCAACACACCACCCGATACCCACCTATCCCTCCTATGTGCCCGCCGAGC
 TCATGACTATGGCAGCAGTCTTCCATCCAGGAGGCTTCTGGGTGGCCCCGCCTCCAGCTTACCCCT
 AAGCAGAGAAGCAAGGCTCGTCTGCTCAGAAGCGGGAGTGTGTCAACTGTGGTGCCACAGCCACCC
 CTCTCTGGCGACGAGATGGCACGGGCCACTACCTGTGCAATGCCTGTGGGCTCTACCACAAGATGAATGG
 ACAGAACCGCCGCTCATCAAGCCCAAGCGGAGGCTGTCTGCTGCCAGAAGAGCGGGCACCTGTTGTGCA
 AATTGTGACAGCACAACCACCTTATGGCGCCGGAACGCCAACGGGGACCTGTGTGCAACGCCTGTG
 GCCTCTACTACAAGCTGCACAATGTTAACAGGCCACTGACCATGAAGAAGGAAGGATCCAGACCCGGAA
 TCGGAAGATGTCCAGCAATCCAAGAAGAGCAAGAAAGGGGCTGAATGTTTCGAGGAGCTCTCCAAGTGC
 ATGCAAGAGAAGTCAACCCCTTCAAGTGCAGTGCCTGGCTGGACACATGGCACCTGTGGGACACCTCC
 CACCTTTTAGTCACTCTGGACACATCTACCCAGCCACGCCTATCCACCCCTCCTCCAGTCTCTCTTT
 TGGCCACCCACCCGTCAGCATGGTACTGCCATGGGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008090

Insert Size: 1443 bp

OTI Disclaimer: 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).

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: [BC107009](#), [AAI07010](#)

RefSeq Size: 2347 bp

RefSeq ORF: 1443 bp

Locus ID: 14461

UniProt ID: [O09100](#)

Cytogenetics: 6 39.2 cM

Gene Summary: Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.