

Product datasheet for **SC321007**

GATA2 (NM_032638) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GATA2 (NM_032638) Human Untagged Clone
Tag: Tag Free
Symbol: GATA2
Synonyms: DCML; IMD21; MONOMAC; NFE1B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032638.3
GAGCGCCAGGAAGGTAGCGAGGCCAGCGTCGCCCGGGACTCGTGCTCAAGTCTGTCTA
TTGCCTGCCGCCACATCCATCCTAGCAGGGCCCCGTCGCCACCAGGCGGACAAAAGCGG
TCCGCTGAACACCATGCGGCCGCTCGGCCGTGCCGCCAGGCTCTGCTGGTGAGCGCCGCC
ACCCCGCGCCAGGTCCCGCGAGCCCGCTGCCGCGCACCTCGCCCTGCTCCCAGCTCTA
CTCCAGGCCCGTCCGCCGGGGCGCCGCCACCAGCGCCTCGCTCGGGCCGTTGCCGTC
TGCACCCAGACCCTGAGCCGCCGCCGCCGATGGAGGTGGCGCCGGAGCAGCCGCGCT
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CGCACAACTACATGGAACCCGCGCAGCTGCTGCCTCCAGACGAGGTGGACGTCTTCTTCA
ATCACCTCGACTCGCAGGGCAACCCCTACTATGCCAACCCGCTCACGCGGGGCGCGG
TCTCCTACAGCCCGCGCAGCCCGCTGACCGGAGGCCAGATGTGCCGCCACACTTGT
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GCAACGCCTGTGGCCTTACTACAAGCTGCACAATGTTAACAGGCCACTGACCATGAAGA
AGGAAGGGATCCAGACTCGGAACCGGAAGATGTCCAACAAGTCCAAGAAGAGCAAGAAAG



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GGGCGGAGTGCTTCGAGGAGCTGTCAAAGTGCATGCAGGAGAAGTCATCCCCCTTCAGTG
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TTGTGAAAAAAAAAAAAAAAAAAAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_032638

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](#)

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | NM_032638.3 , NP_116027.2 |
| RefSeq Size: | 3383 bp |
| RefSeq ORF: | 1443 bp |
| Locus ID: | 2624 |
| UniProt ID: | P23769 |
| Cytogenetics: | 3q21.3 |
| Domains: | GATA |
| Protein Families: | Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors |
| Gene Summary: | <p>This gene encodes a member of the GATA family of zinc-finger transcription factors that are named for the consensus nucleotide sequence they bind in the promoter regions of target genes. The encoded protein plays an essential role in regulating transcription of genes involved in the development and proliferation of hematopoietic and endocrine cell lineages. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Mar 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).</p> |