

Product datasheet for **SC118871**

GATA1 (NM_002049) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GATA1 (NM_002049) Human Untagged Clone
Tag: Tag Free
Symbol: GATA1
Synonyms: ERYF1; GATA-1; GF-1; GF1; NF-E1; NFE1; XLANP; XLTDA; XLTT
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002049 edited
 ATGGAGTTCCTGGCCTGGGGTCCCTGGGACCTCAGAGCCCCCCCCAGTTTGTGGAT
 CTTGCTCTGGTGTCTCCACACCAGAATCAGGGTTTTCTTCCCCTCTGGCCTGAGGGC
 TTGGATGCAGCAGCTTCTCCACTGCCCGAGCACAGCCACCGCTGCAGCTGCGGCACTG
 GCCTACTACAGGGACGCTGAGGCCTACAGACACTCCCCAGTCTTTCAGGTGTACCCATTG
 CTCAACTGTATGGAGGGGATCCCAGGGGCTCACCATATGCCGGCTGGGCCTACGGCAAG
 ACGGGGCTCTACCCTGCCTCAACTGTGTGTCCCACCCGCGAGGACTCTCCTCCCCAGGCC
 GTGGAAGATCTGGATGAAAAAGGCAGCACCAGCTTCTGGAGACTTTGAAGACAGAGCGG
 CTGAGCCCAGACCTCCTGACCCTGGGACCTGCACTGCCTTCATCACTCCCTGTCCCAAT
 AGTGCTTATGGGGCCCTGACTTTTCCAGTACCTTCTTTTCTCCCACCGGAGCCCCCTC
 AATTCAGCAGCCTATTCTCTCCCAAGCTTCGTGGAACCTCCCCCTGCCTCCCTGTGAG
 GCCAGGGAGTGTGTAAGTGCAGGCAACAGCCACTCCACTGTGGCGGAGGGACAGGACA
 GGCCACTACCTATGCAACGCCTGCGGCCTCTATCACAAGATGAATGGGCAGAACAGGCC
 CTCATCCGGCCCAAGAAGCGCCTGATTGTGAGTAAACGGGAGGACTCAGTGCACCAAC
 TGCCAGACGACCACCAGCACTGTGGCGGAGAAATGCCAGTGGGGATCCCGTGTGCAAT
 GCCTGCGGCCTCTACTACAAGCTACACCAGGTGAACCGGCCACTGACCATGCGGAAGGAT
 GGTATTCAGACTCGAAACCGCAAGGCATCTGAAAAAGGGAAAAAGAAACGGGGCTCCAGT
 CTGGGAGGCACAGGAGCAGCCGAAGGACCAGCTGGTGGCTTTATGGTGGTGGCTGGGGC
 AGCGGTAGCGGGAATTGTGGGAGGTGGCTTCAGGCCTGACACTGGGCCCCCAGGTACT
 GCCCATCTCTACCAAGGCCTGGGCCTGTGGTGTGTGTCAGGGCCTGTTAGCCACCTCATG
 CCTTCCCTGGACCCCTACTGGGCTCACCCACGGGCTCCTTCCCACAGGCCCATGCC
 CCCACCACGCACTACTGTGGTGGCTCCGCTCAGCTCATGA

Restriction Sites: Please inquire
ACCN: NM_002049
Insert Size: 1700 bp



[View online »](#)

OTI Disclaimer:	The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.
OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain 15bp insertion compared with NM_002049.2.
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_002049.2</u> , <u>NP_002040.1</u>
RefSeq Size:	1522 bp
RefSeq ORF:	1242 bp
Locus ID:	2623
UniProt ID:	<u>P15976</u>
Cytogenetics:	Xp11.23
Domains:	GATA
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	This gene encodes a protein which belongs to the GATA family of transcription factors. The protein plays an important role in erythroid development by regulating the switch of fetal hemoglobin to adult hemoglobin. Mutations in this gene have been associated with X-linked dyserythropoietic anemia and thrombocytopenia. [provided by RefSeq, Jul 2008]