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Product datasheet for SC125748

GATA2 (BC015613) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GATA2 (BC015613) Human Untagged Clone
Tag:	Tag Free
Symbol:	GATA2
Synonyms:	GATA-binding protein 2; GATA binding protein 2; MGC2306; NFE1B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for BC015613 edited
GTCCGCCCGGGGGCGCCGCCCACCGCGCCTCGCTCGGGCCGTTGCCGTCTGCACCCAGAC
CCTGAGCCGCCGCCGCCGGCCATGGAGGTGGCGCCGGAGCAGCCGCGCTGGATGGCGCAC
CCGGCCGTGCTGAATGCGCAGCACCCCGACTCACACCACCCGGGCCTGGCGCACAACTAC
ATGGAACCCGCGCAGCTGCTGCCTCCAGACGAGGTGGACGTCTTCTTCAATCACCTCGAC
TCGCAGGGCAACCCCTACTATGCCAACCCCGCTCACGCGCGGGCGCGCGTCTCCTACAGC
CCCGCGCACGCCCGCCTGACCGGAGGCCAGATGTGCCGCCCACACTTGTTGCACAGCCCG
GGTTTGCCCTGGCTGGACGGGGGCAAAGCAGCCCTCTCTGCCGCTGCGGCCCACCACCAC
AACCCCTGGACCGTGAGCCCCTTCTCCAAGACGCCACTGCACCCCTCAGCTGCTGGAGGC
CCTGGAGGCCCACTCTCTGTGTACCCAGGGGCTGGGGGTGGGAGCGGGGGAGGCAGCGGG
AGCTCAGTGGCCTCCCTCACCCCTACAGCAGCCCACTCTGGCTCCCACCTTTTCGGCTTC
CCACCCACGCCACCCAAAGAAGTGTCTCCTGACCCTAGCACCACGGGGGCTGCGTCTCCA
GCCTCATCTTCCGCGGGGGGTAGTGCAGCCCGAGGAGAGGACAAGGACGGCGTCAAGTAC
CAGGTGTCACTGACGGAGAGCATGAAGATGGAAAGTGGCAGTCCCCTGCGCCCAGGCCTA
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CCGGCCTCCAGCTTCACCCCTAAGCAGCGCAGCAAGGCTCGTTCCTGTTCAGAAGGCCGG
GAGTGTGTCAACTGTGGGGCCACAGCCACCCCTCTCTGGCGGCGGGACGGCACCGGCCAC
TACCTGTGCAATGCCTGTGGCCTCTACCACAAGATGAATGGGCAGAACCGACCACTCATC
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ACGACAACCACCACCTTATGGCGCCGAAACGCCAACGGGGACCCTGTCTGCAACGCCTGT
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CCCACTCCGACGCCCATCCACCCCTCCTCCAGCCTCTCCTTCGGCCACCCCCACCCGTCC
AGCATGGTGACCGCCATGGGCTAGGGAACAGATGGACGTCGAGGACCGGGCACTCCCGGG

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ATGGGTGGACCAAACCCTTAGCAGCCCAGCATTTCCCGAAGGCCGACACCACTCCTGCCA
GCCCGGCTCGGCCCAGCACCCCCTCTCCTGGAGGGCGCCCAGCAGCCTGCCAGCAGTTAC
TGTGAATGTTCCCCACCGCTGAGAGGCTGCCTCCGCACCTGACTGCTGCCCAGGTGGGGT
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GCAGGAGTTGGGGGCAGGTCAGGACCAGGACCCAGGGAGAGGCTGTGTCCCTGCTGGGGT
CTCAGGTCCAGCTTTACTGTGGCTGTCTGGATCCTTCCCAAGGTACAGCTGTATATAAAC
GTGTCCCGAGCTTAGATTCTGTATGCGGTGACGGCGGGGTGTGGTGGCCTGTGAGGGGCC
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GCTGCAGGGAGCACCACGGCCAGAAGTAACTTATTTTGTACTAGTGTCCGCATAAGAAAA
AGAATCGGCAGTATTTTCTGTTTTTATGTTTTATTTGGCTTGTTTTATTTTGGATTAGTG
AACTAAGTTATTGTTAATTATGTACAACATTTATATATTGTCTGTAAAAAATGTATGCTA
TCCTCTTATTCCTTTAAAGTGAGTACTGTTAAGAATAATAAAATACTTTTTGTGAAAAAA
AAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC015613 unedited
GTTCGCCATTTGTATACGATCACTATAGGCGGCCGCGCAATTCGCACGAGGTCCGCCCGG
GGGCGCCGCCCACCGCGCCTCGCTCGGGCCGTTGCCGTCTGCACCCAGACCCTGAGCCGC
CGCCGCCGGCCATGGAGGTGGCGCCGGAGCAGCCGCGCTGGATGGCGCACCCGGCCGTGC
TGAATGCGCAGCACCCCGACTCACACCACCCGGGCCTGGCGCACAACTACATGGAACCCG
CGCAGCTGCTGCCTCCAGACGAGGTGGACGTCTTCTTCAATCACCTCGACTCGCAGGGCA
ACCCCTACTATGCCAACCCCGCTCACGCGCGGGCGCGCGTCTCCTACAGCCCCGCGCACG
CCCGCCTGACCGGAGGCCAGATGTGCCGCCCACACTTGTTGCACAGCCCGGGTTTGCCCT
GGCTGGACGGGGGCAAAGCAGCCCTCTCTGCCGCTGCGGCCCACCACCACAACCCCTGGA
CCGTGAGCCCCTTCTCCAAGACGCCACTGCACCCCTCAGCTGCTGGAGGCCCTGGAGGCC
CACTCTCTGTGTACCCAGGGGCTGGGGGTGGGAGCGGGGGAGGCAGCGGGAGCTCAGTGG
CCTCCCTCACCCCTACAGCAGCCCACTCTGGCTCCCACCTTTTCGGCTTCCCACCCACGC
CACCCAAAGAAGTGTCTCCTGACCCTAGCACCACGGGGGCTGCGTCTCCAGCCTCATCTT
CCGCGGGGGGTAGTGCAGCCCGAGGAGAGGACAAGGACGGCGTCAAGTACCAGGTGTCAC
TGACGGAGAGCATGAAGATGGGAAGTGGCAGTCCCCTGCGCCCAGCCTAGCTACTATGGG
CACCCAGCCTGGTAACACCACCCCATCCCACCTACCCCTTCTATGTTGCCGCGGCTGCCC
ACGACTACAGGAGCGGACTCTTTCACCCGGAAGGCTCC

Restriction Sites: Please inquire

ACCN: BC015613

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:	BC015613.2, AAH15613.1
RefSeq Size:	3135 bp
Locus ID:	2624
Cytogenetics:	3q21.3
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	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]