

Product datasheet for **SC126131**

GFI1 (NM_005263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GFI1 (NM_005263) Human Untagged Clone
Tag:	Tag Free
Symbol:	GFI1
Synonyms:	GFI-1; GFI1A; SCN2; ZNF163
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005263 edited
CCACGCGTCCGGGTGCCCGCGCCGTGACTCCGCAGGTCTCCTCCGGGCTGGGGCTGAGCA
AGCCCTCGGAGTGACCGTGGGTGACAGCGGCTCCAGGGACTCTTGGGGCGCAGTGGGGAA
AGTGCCGGACCACCATGCCGCGCTCATTCTCGTCAAAGCAAGAAGGCTCACAGCTACC
ACCAGCCGCGTCCCCAGGACCAGACTATCCCTCCGTTAGAGAATGTACCGGCGCCTA
GCCGAGCAGACAGCACTTCAAATGCAGGCGGGGCGAAGGCGGAGCCCCGGGACCGTTTGT
CCCCCGAATCGCAGCTGACCGAAGCCCCAGACAGAGCCTCCGCATCCCCAGACAGCTGCG
AAGGCAGCGTCTGCGAACGGAGCTCGGAGTTTGAGGACTTCTGGAGGCCCCCGTACCCT
CCGCGTCTCCAGCCTCGGAGAAGTCAATGTGCCATCGCTGGACGAAGCCAGCCCTTCC
CCCTGCCTTTCAAACCGTACTCATGGAGCGGCCTGGCGGGTTCTGACCTGCGGCACCTGG
TGCAGAGCTACCGACCGTGTGGGGCCCTGGAGCGTGGCGCTGGCCTGGGCCTTCTGTG
AACCCGCCCGGAGCCTGGCCACCCGCGCGCTGTACGGCCGAAGCGGGCTGCCGGCG
GCGCGGGGGCCGGGGCGCCAGGGAGCTGCAGCGCAGGGGCGGTGCCACCGCTGGCCCTG
GCCTAGGGCTCTACGGGACTTCGGGTCTGCGGCAGCCGGGCTGTATGAGAGGCCACGG
CAGCGGGGGCTTGTGTACCCGAGCGTGCCACGGGCTGCACGCAGACAAGGGCGCTG
GGTCAAGGTGGAGTCGGAGCTGCTGTGCACCCGCTGCTGCTGGGCGGGGCTCCTACA
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AGAAACACACTTTCATCCACACTGGTGAGAAGCCTCACAAGTGCCAGGTGTGCGGCAAGG
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TGACTTTCAGACCCCAGGTCCAGTCTGCAGATCCTACCAGTTGCTCCTCCTTCGCTT
ACCTCCTGGAGCTGCCAGAAGAAATGAGGTACCTTTTCAAAGTGCAGCCGAGAGTGAGAA
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AAGTCAAATGGGGACCAGAATAAATCTTAGACCCACAGTCTTCCCATTTCAGCCCTA
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TAGAAAGAAGAGTGAGTGTTAACTTTATTTTTTCTTCTGGGGGCTGTTGACTCCT
TTCTTTTGGGTGCTGCCTATAAATCTTGGAGGAATCATTTCTCCTCCTCAAAAAGTATT
CAGAACTGACTTGGGAAGGAATTTAATACTTTGAAGTCATGAGATGCACCATCGAGGC
TACCCCAAGAAGAAGCAGAAGAGAAGTTGGTAATGAGAGGGGATTAGAGGTCTCCCTT
CAGTAGGGCTGTGAAAACCTCATCACTGGAGGTAAGCAAGCAATGCCTGTGGACAA
GATGTCATTCACTCAGCAAATGTTTATGGATCACCGGCTACCAAGGTACCAGGCAC
CATGCTAGGTATTGGGAAGAGAGACTGAAGTACAACCCTGACTGCTCCTCAAAGCT
AACGGTTGCACCTCCAAGTGGCTGGGTCTGTTCTTACTTGGAGGGAATTCTGAGAAGA
CAGCACAGAATTGTAACCTTCCCTTTTACCCTTTTGGATTTTATCAGGTGTAACAAA
AAGCTGAACAGTTACTTCAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005263 unedited GGGTTTTTTTATTTGTATACGACTTATATAGGCGGCCGCGNAATTCNATCTGGTACCGGTC CGGAATCCCCTGGGATATCGTTCGACCCACGCGTCCGGGTGCCCGCCGTGACTCCGCAGG TCTCTCCGGGCTGGGGCTGAGCAAGCCCTCGGAGTGACCGTGGGTGACAGCGGCTCCAG GGACTCTTGGGGCGCAGTGGGAAAGTGCCGGACCACCATGCCGCGCTCATTTCTCGTCA AAAGCAAGAAGGCTCACAGCTACCACCAGCCGCGCTCCCAGGACCAGACTATTCCTCC GTTTAGAGAATGTACCGGCGCTAGCCGAGCAGACAGCACTTCAAATGCAGGCGGGGCGA AGGCGGAGCCCCGGGACCGTTTGTCCCCGAATCGCAGCTGACCGAAGCCCCAGACAGAG CCTCCGCATCCCCAGACAGCTGCGAAGGCAGCGTCTGCGAACGGAGCTCGGAGTTTGAGG ACTTCTGGAGGCCCGTCACCCTCCGCGTCTCCAGCCTCGGAGAAGTCAATGTGCCAT CGCTGGACGAAGCCAGCCCTTCCCCTGCCTTCAAACCGTACTCATGGAGCGGCTGG CGGTTTCTGACCTGCGGCACCTGGTGCAGAGCTACCGACCGTGTGGGGCCCTGGAGCGT GCGCTGGCCTGGGCTCTTGTGAACCCGCCCGGAGCCTGGCCACCCGGCCGCGTGT ACGGCCCCGAAGCGGGCTGCCGGCGCGCGGGGGCCGGGGCCAGGGAGTGCAGCGCAG GGCCCGGTGCCACCGCTGGCCCTAGGGCTCTACNGCGACTTCGGGTCTGCNGCAG CCGGGCTGTATGAGAAGCCCACGCAGCGCGGGCTTGCTGTACCCCGAGCGTGGCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_005263
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:	<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_005263.2 , NP_005254.2
RefSeq Size:	2784 bp
RefSeq ORF:	1269 bp
Locus ID:	2672
UniProt ID:	Q99684
Cytogenetics:	1p22.1
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

This gene encodes a nuclear zinc finger protein that functions as a transcriptional repressor. This protein plays a role in diverse developmental contexts, including hematopoiesis and oncogenesis. It functions as part of a complex along with other cofactors to control histone modifications that lead to silencing of the target gene promoters. Mutations in this gene cause autosomal dominant severe congenital neutropenia, and also dominant nonimmune chronic idiopathic neutropenia of adults, which are heterogeneous hematopoietic disorders that cause predispositions to leukemias and infections. Multiple alternatively spliced variants, encoding the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.