

Product datasheet for SC323045

GFI1 (NM_001127215) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | GFI1 (NM_001127215) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GFI1 |
| Synonyms: | GFI-1; GFI1A; SCN2; ZNF163 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC323045 representing NM_001127215. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

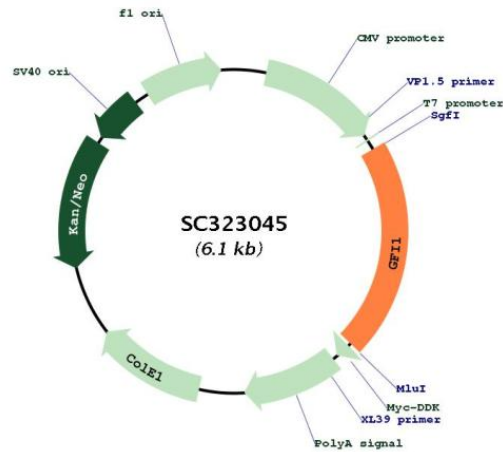
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCCGCGCTCATTTCTCGTCAAAGCAAGAAGGCTCACAGCTACCACCAGCCGCGCTCCCCAGGACCA
GACTATTCCCTCCGTTTAGAGAAATGTACCGCGCCTAGCCGAGCAGACAGCACTTCAAATGCAGGCGGG
GCGAAGGCGGAGCCCCGGGACCGTTTGTCCCCGAATCGCAGCTGACCGAAGCCCCAGACAGAGCCTCC
GCATCCCCAGACAGCTGCGAAGGCAGCGTCTGCGAACGGAGCTCGGAGTTTGAGGACTTCTGGAGGCC
CCGTCAACCTCCGCGTCTCCAGCCTCGGAGAAGTCAATGTGCCATCGCTGGACGAAGCCCAGCCCTTC
CCCTGCCTTTCAAACCGTACTCATGGAGCGGCCTGGCGGTTCTGACCTGCGGCACCTGGTGCAGAGC
TACCGACCGTGTGGGGCCCTGGAGCGTGGCGCTGGCCTGGGCCTTTCTGCGAACCCGCCCGGAGCCT
GGCCACCCGCGCCGCTGTACGGCCCAAGCGGGCTGCCGGCGGCGGGGGCCGGGGCGCCAGGGAGC
TGACGCGCAGGGGCCGTGCCACCCTGGCCCTAGGGCTCTACGGCGACTTCGGGTCTGCGGCA
GCCGGGTGTATGAGAGGCCACGGCAGCGGGGCTTGTGTACCCGAGCGTGGCCACGGGTGCAC
GCAGACAAGGGCGCTGGCGTCAAGGTGGAGTCGGAGCTGTGTACCCGCTGTGTGGGCGGCGGC
TCCTACAAGTGCATCAAGTGCAGCAAGGTGTTCTCCACGCCGACGGGCTCGAGGTGCACGTGCGCAGG
TCCCACAGCGGTACCAGACCTTTGCCTGCGAGATGTGCGGCAAGACCTTCGGGCACGCGGTGAGCCTG
GAGCAGCACAAGCCGTGCACTCGCAGGAACGGAGCTTTGACTGTAAGATCTGTGGGAAGAGCTTCAAG
AGGTCATCCACACTGTCCACACACTGCTTATCCACTCAGACACTCGGCCCTACCCTGTACTGTGT
GGCAAGAGGTTCCACCAGAAGTCAGACATGAAGAAAACACTTTTCCACTCCACTGGTGAGAAGCCTCAC
AAGTGCCAGGTGTGCGGCAAGGCATTACGCGAGAGCTCCAACCTCATACCCACAGCCGAAACACACA
GGCTTCAAGCCCTTCGGCTGCGACCTCTGTGGGAAGGTTTCCAGAGGAAGGTGGACCTCCGAAGGCAC
CGGAGACGCAGCATGGGCTCAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



[View online »](#)

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001127215

Insert Size: 1269 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).

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:

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_001127215.1](#)

RefSeq Size: 2716 bp

RefSeq ORF: 1269 bp

Locus ID: 2672

UniProt ID: [Q99684](#)

Cytogenetics: 1p22.1

Protein Families: Druggable Genome, Transcription Factors

MW: 45.3 kDa

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 (2) differs in the 5' UTR compared to variant 1. 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.