

Product datasheet for **SC325709**

GFI1B (NM_001135031) Human Untagged Clone

Product data:

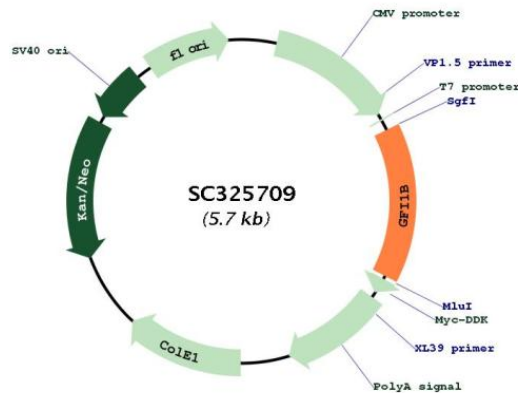
Product Type:	Expression Plasmids
Product Name:	GFI1B (NM_001135031) Human Untagged Clone
Tag:	Tag Free
Symbol:	GFI1B
Synonyms:	BDPLT17; ZNF163B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325709 representing NM_001135031. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCACGCTCCTTCTGGTGAAGAGCAAGAAGGCTCACACCTACCACCAGCCCCGTGTGCAGGAAGAT
GAACCGCTCTGGCCTCTGCCCTTACCCCGGTGCCAGAGACCAGGCTCCAAGCAACAGCCCTGTCTT
AGCACTCTATTCCCAAACAGTGCCTGGACTGGACCAACCTCAAACGAGAGCCGGAGCTGGAGCAGGAC
CAGAACTTGGCCAGGATGGCCCCGGCACCAGAGGGCCCCATTGTGCTGTCCGACCCAGGATGGGGAC
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GGCCACAGCTACCGGCAGGCCCTCCACCATGCAGTCAGCCTTCTGGAGCACTCCGTACGCTGTAC
GGCAGTCTCTTGTGCCAGCACTGAGCCCGCCTTGGACTTCAGCCTCCGCTACTCCCAGGCATGGAT
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GGCTTCAAGCCCTTCAAGTGTGAGCTGTGCACCAAGGCTTCCAGCGCAAGGTGGACCTGCGCGGCCAC
CGCGAGAGCCAGCACAATCTCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001135031

Insert Size: 855 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_001135031.1

RefSeq Size: 1663 bp

RefSeq ORF: 855 bp

Locus ID: 8328
UniProt ID: [Q5VTD9](#)
Cytogenetics: 9q34.13
MW: 32.4 kDa

Gene Summary: This gene encodes a zinc-finger containing transcriptional regulator that is primarily expressed in cells of hematopoietic lineage. The encoded protein complexes with numerous other transcriptional regulatory proteins including GATA-1, runt-related transcription factor 1 and histone deacetylases to control expression of genes involved in the development and maturation of erythrocytes and megakaryocytes. Mutations in this gene are the cause of the autosomal dominant platelet disorder, platelet-type bleeding disorder-17. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]
Transcript Variant: This variant (2) has a shorter 5' UTR and lacks a coding exon, compared to variant 1. The resulting isoform (2) lacks an internal segment compared to isoform 1.