

## Product datasheet for **SC303448**

### **GFI1B (NM\_004188) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GFI1B (NM_004188) Human Untagged Clone
Tag:	Tag Free
Symbol:	GFI1B
Synonyms:	BDPLT17; ZNF163B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004188 edited  
 GGGAGGCTGAGGCAGGAGGATCGCTTGAGGCCAGGAGTTCAAGACCAGCCTATTGTGAAT  
 AGTACCACTATAAATAGAGAAAGCGTGCCGCTCCAAGTGTGCGAGGGTTAGAAATGAGAAT  
 TCGAAGTCTTGTGTCCTGGAAAGTTTTGATAAGCAAATACGGCTGAGCTCCCGCGCTCTC  
 TTCATTGGCTGCTTGTACCGCCAGATTTTGACACAAATAATCAGATTGAAAATCAGGG  
 AGGGAAACAGAAGAGGAAAAACACACAGAGAGACAGAGCAAAAAGGAGAAGTATCTATTT  
 GTGCAAAAGAGTCACACAGTTGACAGAGTGGAGGCCAGTCCCGAGAGAGGCTTTGCAAGTTC  
 CCACCTCGGGAAGCTCCGGCAGAACCCAGGCGAGGGACAGCTCCGGACAGGTGTGGGGTG  
 CACACTGAAAATGCCACGCTCCTTCTGTTGAAGAGCAAGAAGGCTCACACCTACCACCA  
 GCCCGTGTGCAGGAAGATGAACCGCTCTGGCCTCTGCCCTTACCCCGTGGCCAGAGA  
 CCAGGCTCCAAGCAACAGCCCTGTCTTAGCACTCTATTCCCAAACAGTGCCTGGACTG  
 GACCAACCTCAAACGAGAGCCGGAGCTGGAGCAGGACCAGAACTGGCCAGGATGGCCCC  
 GGCACCAGAGGGCCCCATTGTGCTGTCCCGACCCAGGATGGGGACTCTCCACTGTCCGA  
 CTCACCCCATTTACAAGCCTAGCTTCTCTGGGACACCTTGGCCACAACCTATGGCCA  
 CAGCTACCGGCAGGCCCTCCACCATGCAGTCAGCCTTCTGGAGCACTCCGTCAGCCT  
 GTACGGCAGTCCCTTGTGCCAGCACTGAGCCGCTTGGACTTCAGCCTCCGCTACTC  
 CCCAGGCATGGATGCGTACCCTGTGTGAAGTGAACAAGGCTTCTCCACCCCTCACGG  
 GCTCGAAGTGCATGTGCGACGCTCCCATAGTGGGACCCGGCCCTTCGCTGTGACATCTG  
 CGGCAAAACCTTCGGCCACGCTGTGAGCCTGGAGCAGCACACGCACGTCCTCCAGGA  
 GCGCAGCTTCGAGTGCCGCATGTGCGGCAAGGCCCTCAAGCGCTCGTCCACGCTGTCCAC  
 CCACCTGCTCATCCTCAGACACGCGGCCCTACCCCTGCCAGTCTGCGGCAAGCGTTT  
 CCACCAGAAGTCCGACATGAAGAAGCACACCTACATCCACACAGGTGAGAAGCCGCACAA  
 GTGCCAGGTGTGCGGAAAGGCCCTCAGCCAGAGCTCCAACCTCATCACCCACAGCCGCAA  
 GCACACAGGCTTCAAGCCCTTCAGCTGTGAGCTGTGCACCAAAGGCTTCCAGCGCAAGGT  
 GGACCTGCGGCGCACCCGAGAGCCAGCACAATCTCAAGTGAAGGCTGCGCCGGCTCCCA  
 GCTCCTGGCCAGCCTGCCCTGCGGTCTGTACCTGGAGGCCAGCCTCACATGCCAAAT  
 CTCCAGTCTCCTGGAGGTGGGACTGGACAGGAGTCTACCAGCTTGTGTTGAGACTCATGA  
 AATTGCTGTGTGACCTTGGGCAAGTCACTTACCCTGTCTGGATCAACATTTCTCTGCTG  
 CCAAGTGTGGGAGGCTGGCTGGTCTTTCTCAGCAGAAGTTGTTCCAGGTGTGCTCAAG  
 TGCCTTCTCTAGCAGAGCACAGAAAGCTAGAATACCCCAAGGAGACAGGGATGCCAAG  
 AGTAGACCAGAGTGGGACCCACAGACAGAACCTCCACCTGCCTGCTGCCACTGAGCTG  
 GGACCTGGTCACCTTGGATTTTAGCCGGCCTTTTCTGGCTATAACAGGCAGAGTCGGAG  
 CTGCTCCACCCAGTCAAGCCTGGCACCCCTCTGCTTCGGCCAGATGTGCTGGCT  
 GACTCCGACTTCCGACCAGCACTCAGCTGGCCTCTGGGATTCTAGCTCCACAACCAGGC  
 CGTGAGGCTGGAGAACTGGCAGTTATTGCTGTCAAAGCCTGTTCTCTCAACTGCTGTC  
 AATAAAATTAAGATACAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_004188

**Insert Size:** 2100 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_004188.2.

**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:**

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\\_004188.2](#), [NP\\_004179.2](#)

**RefSeq Size:** 1817 bp

**RefSeq ORF:** 993 bp

**Locus ID:** 8328

**UniProt ID:** [Q5VTD9](#)

**Cytogenetics:** 9q34.13

**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 (1) represents the longer transcript and encodes the longer isoform (1).