

Product datasheet for **RG219503**

GFI1B (NM_004188) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GFI1B (NM_004188) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GFI1B
Synonyms: BDPLT17; ZNF163B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219503 representing NM_004188
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACGCTCCTCCTGGTGAAGAGCAAGATGGCTCACACCTACCACCAGCCCCGTGTGCAGGAAGATG
AACCGCTCTGGCCTCCTGCCCTTACCCCGGTGCCAGAGACCAGGCTCCAAGCAACAGCCCTGTCTTAG
CACTCTATTCCAAACCAGTGCCTGGACTGGACCAACCTCAAACGAGAGCCGGAGCTGGAGCAGGACCAG
AACTTGCCAGGATGGCCCCGGCACCAGAGGGCCCCATTGTGCTGTCCGACCCAGGATGGGGACTCTC
CACTGTCCGACTCACCCATTCTACAAGCCTAGCTTCTCCTGGGACACCTTGGCCACAACCTATGGCCA
CAGCTACCGGCAGCCCCCTCCACCATGCAGTCAGCCTTCTGGAGCACTCCGTACGCTGTACGGCAGT
CCTCTTGTGCCAGCACTGAGCCCGCCTTGGACTTCAGCCTCCGCTACTCCCCAGGCATGGATGCGTACC
ACTGTGTGAAGTGAACAAGGTCTTCTCCACCCCTCACGGGCTCGAAGTGCATGTGCGACGCTCCCATAG
TGGGACCTGGCCCTTCGCTGTGACATCTCGGCCAAAACCTTCGGCCACGCTGTGAGCCTGGAGCAGCAC
ACGCACGTCCACTCCCAGGAGCGCAGCTTCGAGTGCCGCATGTGCGGCAAGGCCCTCAAGCGCTCGTCCA
CGCTGTCCACCCACTGCTCATCACTCAGACACGCGGCCCTACCCCTGCCAGTTCTGCGGAAGCGTTT
CCACCAGAAGTCCGACATGAAGAAGCACACCTACATCCACACAGGTGAGAAGCCGCACAAGTGCCAGGTG
TGCGGAAAAGCCCTCAGCCAGAGCTCCAACCTCATCACCCACAGCCGCAAGCACACAGGCTTCAAGCCCT
TCAGCTGTGAGCTGTGCACCAAAGGCTTCCAGCGCAAGGTGGACCTGCGCGGCACCGCGAGAGTCAACA
CAATCTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219503 representing NM_004188
 Red=Cloning site Green=Tags(s)

MPRSFLVKSMAHTYHQPRVQEDEPLWPPALTPVPRDQAPSNPVLSTLFPNQCLDWTNLKREPELEQDQ
 NLARMAPAPEGPIVL SRPQDGDSP LSDSPPFYKPSFSWDTLATTYGHYSYRQAPSTMQSAFLEHSVSLYGS
 PLVPSTEPALDFSLRYS PGMDAYHCVKCNKVFSTPHGLEVHVRRSHSGTWPFACDICGKTFGHAVSLEQH
 THVHSQERSFECRMCGKAFKRSSLSTHLLIHS DTRPYPCQFCGKRFHQKSDMKKHTYIHTGEKPHKCQV
 CGKAFSQSSNLI THSRKHTGFKPFSC ELCTKGFQRKVDLRRHRESQHNLK

TRTRPLE - GFP Tag - V

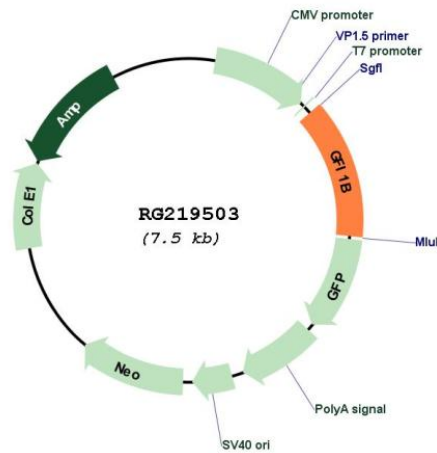
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_004188

ORF Size: 990 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_004188.3
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]