

Product datasheet for **RC225393**

GFI1B (NM_001135031) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GFI1B (NM_001135031) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GFI1B
Synonyms: BDPLT17; ZNF163B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225393 representing NM_001135031
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACGCTCCTTCCTGGTGAAGAGCAAGAAGGCTCACACCTACCACCAGCCCCGTGTGCAGGAAGATG
AACCGCTCTGGCCTCCTGCCCTTACCCCGGTGCCAGAGACCAGGCTCCAAGCAACAGCCCTGTCTTAG
CACTCTATTCCCAAACCAGTGCCTGGACTGGACCAACCTCAAACGAGAGCCGGAGCTGGAGCAGGACCAG
AACTTGGCCAGGATGGCCCCGGCACCAGAGGGCCCCATTGTGCTGTCCGACCCAGGATGGGGACTCTC
CACTGTCCGACTCACCCCACTTACAAGCCTAGCTTCTCCTGGGACACCTTGGCCACAACCTATGGCCA
CAGCTACCGGCAGGCCCTCCACCATGCAAGTCAAGCTTCTGGAGCACTCCGTCAGCCTGTACGGCAGT
CCTCTTGTGCCAGCACTGAGCCCGCTTGGACTTCAGCCTCCGCTACTCCCCAGGCATGGATGCGTACC
ACTGTGTGAAGTGAACAAGGAGCGCAGCTTCGAGTGCCGCATGTGCGGCAAGGCCTTCAAGCGCTCGTC
CACGCTGTCCACCACCTGCTCATCCACTCAGACACGCGGCCCTACCCCTGCCAGTTCTGCGGCAAGCGT
TTCCACCAGAAGTCCGACATGAAGAAGCACACCTACATCCACACAGGTGAGAAGCCGACAAGTGCCAGG
TGTGCGGAAAGGCCTTCAAGCAGAGCTCCAACCTCATACCCACAGCCGCAAGCACACAGGCTTCAAGCC
CTTCAGCTGTGAGCTGTGCACCAAAGGCTTCCAGCGCAAGGTGGACCTGCGGCGGCACCGGAGAGCCAG
ACAATCTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225393 representing NM_001135031
Red=Cloning site Green=Tags(s)

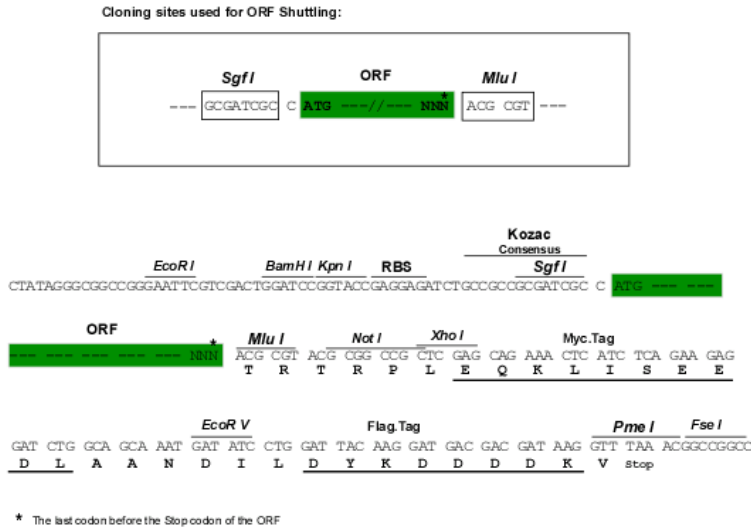
MPRSFLVKSskahtyHQPRVQEDEPLWPPALTPVPRDQAPSNPVLSTLFPNQCLDWTNLKREPELEQDQ
 NLARMAPAPEGPiVLsrpqDGSPLSDSPPFYKPSFSWDTLATTYGHsYRQAPSTMQSAFLEHSVSLYGS
 PLVPSTEPALDFSLRYSpgMDAYHCVKCNKERSFECRMCGKAFKRSSTLSTHLLIHSdTRPYPCQFCGKR
 FHQKSDMKKHTYIHTGEKPHKcQVCGKAFSQSSNLIITHSRKHTGfKPFsCElCTKGFQRKvDLRRHRESQ
 HNLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1267_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135031

ORF Size: 852 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:

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_001135031.2](#)

RefSeq ORF: 855 bp

Locus ID: 8328

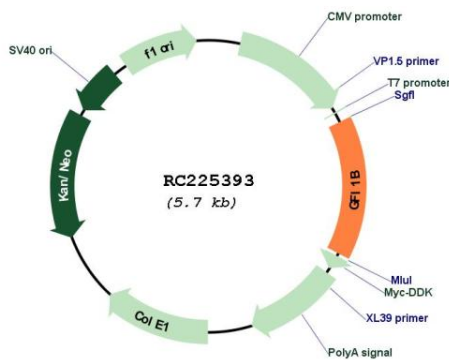
UniProt ID: [Q5VTD9](#)

Cytogenetics: 9q34.13

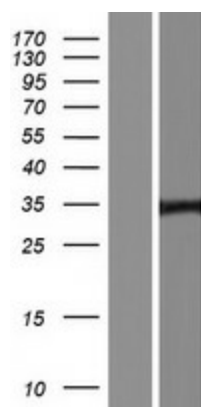
MW: 32.2 kDa

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]

Product images:



Circular map for RC225393



Western blot validation of overexpression lysate (Cat# [LY427527]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225393 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).