

Product datasheet for **RR213644**

Gfi1b (NM_001107823) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfi1b (NM_001107823) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gfi1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213644 representing NM_001107823 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGGTCTTTCTAGTGAAGAGTAAGAAGGCGCACACCTACCACCAGCCCCGAGCACAGGGCGATG
ACCTGGTCTGGCCTCTGCGTAATTCCTGTGGCAAAGAACAATCCAGAGTGGCAGCCCTGTTCTCAG
CACACTGCTTCCAAGCCAGACCTTGGACTGGAGCGCAGTCAAACAGAAGCAGGAGATGCTGCTGAACCG
AGCCTTCCAAGATGGCCTCAGCCCCAGAGGGCCTCAGGTGACATCCAACCCAGGATGGGGAATCGC
CACTCTCCGAGTCAACCCCTTTCTATAAGCCAGCTTCTCTTGGGATACGCTGGCCTCCTCTACAGACA
CAGCTACCAACAGACCCCTCCACCATGCAGTCAGCTTTCCTGGAGCGCTCCGTGAGGCTGTACGGCAGC
CCGCTTGTGCCAGCACCGAGTCCCCCTTGGACTTCAGCCTCCGTTATTCTCCGGGCATGGACACTTACC
ACTGTGTAAGTGAACAAGGTGTTCTCCACCCCTCATGGGCTAGAAGTGCATGTCGCGCCTCTCACAG
CGAACC CGCCCTTTGCCTGTGACATCTGTGGCAAACCTTTGGCCACGCTGTGAGTTTGGAGCAGCAC
ACGCACGTGATCCAGGAGCGTAGCTTCGAGTGCCGGATGTGTGGCAAAGCCTTCAAGCGCTCATCCA
CTCTGTCCACCCACCTGCTCATCCATTCGACACTCGGCCCTACCCTGCCAGTTCTGTGGAAACGCTT
CCACCAGAAGTCGGACATGAAGAAACACACCTACATCCACACAGGTGAGAAGCCTACAAGTGCCAGGTG
TGTGGAAAGCCTTCAAGCAAGCTCAACCTCATCACCCACAGCCGCAAGCACACAGGCTTCAAGCCCT
TCAGCTGTGAGCTGTGCACAAAGGGCTTCAGCGCAAGGTGGACCTGCGACGTCACCGTGAGAGCCAACA
TAACCTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213644 representing NM_001107823
 Red=Cloning site Green=Tags(s)

MPRSFLVKSskahtyHQpRAQGDDLWPPAVIPVakeHTQSGSPVLSTLLPSQTLdWSAVKQKQEMLLNQ
 SLPKMASAPEGPHVTSQPQDGESPLSESPFFYKPSFSWDTLASSYRHSYQQTPTMQSAFLERSVRLYGS
 PLVPSTESPLDFSLRYSpgMDTYHCVKCNKVFSTPHGLEVHVRRSHSGTRPFACDlCGKTFGHAVSLEQH
 THVHSQERSFECRMCGKAFKRSSTLSTHLLIHSdTRPYPCQFCGKRfHQKSDMKKHtYIHTGekPHKcQV
 CGKAFSQQSNLIthSRKHTGfKPFsCELCTKGFQRKvDLRRHRESQHNLK

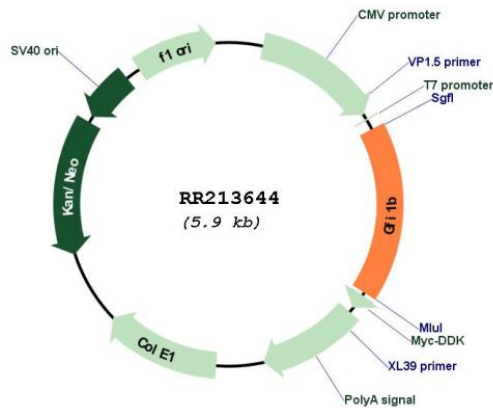
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107823

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_001107823.1 , NP_001101293.1
RefSeq Size:	1618 bp
RefSeq ORF:	993 bp
Locus ID:	311832
Cytogenetics:	3p12
MW:	37.4 kDa