

Product datasheet for **RR202639**

Gfi1 (NM_012566) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfi1 (NM_012566) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gfi1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR202639 representing NM_012566 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGCGCTCATTCTGGTCAAGAGCAAGAAGGCGCACAGCTACCACCAGCCGGTTCTCCGGGGCCGG
ACTACTCCCTGCGCCTGGAGACCGTGCTGTGCCGGGCAGAGCAGACGGCGCGCTGTGAGTGCAGGAGA
GTCCAAGATGGAGCCCGAGAGCGTTTGTCCCCGAGTCTCAGCTTACCGAGGCTCCAGACAGAGCCTCC
CGTCCCCAACAGCTGCGAAGGCAGCGTTTGTGACCCGAGCTCCGAGTTCGAGGACTACTGGAGGCCCC
CTTCTCCCTCTGTATCTCCAGCGTCGGAGAAGTCGCTGTGTCGCTCTCTGGACGAAGCCAGCCCTACAC
GCTGCCTTTCAAGCCCTACGCGTGGAGCGGCCTCGCGGGTCTGACCTGCGGCACCTGGTGCAGAGCTAC
CGGCAGTGCAGCGCGCTGGAGCGCAGCGCTGGCCTGAGCCTTCTGCGAGCGCGCGCGGAGTCCGGCC
GCCCGGCCGCGCCTACGGCTCGGAGCAGGCTGCGGGCGGAGCGGGTGCGGGACAGCCTGGGAGCTGCGG
AGCAGCCAGCGCGCCACCAGCGCTGGGGCCTGGGGCTCTACGGCGACTTCGCGCCTGCGGCGGCCGGG
CTGTTGAGCGGCGGAGCACAGCCGAGCCGGCTGTACCAAGATCGCGGCCACGAGCTGCACGCGGACA
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ATGCATCAAGTGCAGCAAGGTGTTTTCCACACCCGATGGGCTGGAGGTGCACGTGCGCCGTTCCACAGC
GGCAGCAGACCCTTTGCGTGCAGATGTGCGGCAAGACTTTGCGGCACCGGTTGAGCCTGGAGCAACACA
AGGCCGTACACTCGCAGGAACGAGCTTTGACTGTAAGATCTGTGGCAAGAGCTTCAAGAGGTATCCAC
ACTGTCCACACATCTACTCATTCACTCGGATACCCGGCCCTACCCTGTGAGTACTGTGGCAAGAGGTTCC
CACCAGAAGTCAGACATGAAGAAACACACTTTCATCCACACAGGTGAGAAGCCCCACAAATGCCAGGTGT
GTGGCAAAGCCTTCAGTCAGAGCTCCAACCTCATCACTCATAGCAGAAAGCACACAGGTTTCAAGCCCTT
TGGCTGTGACCTGTGTGGGAAGGGCTTCCAGAGGAAGGTGGATCTCAGGAGGCACCGAGAGACTCAGCAT
GGACTCAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



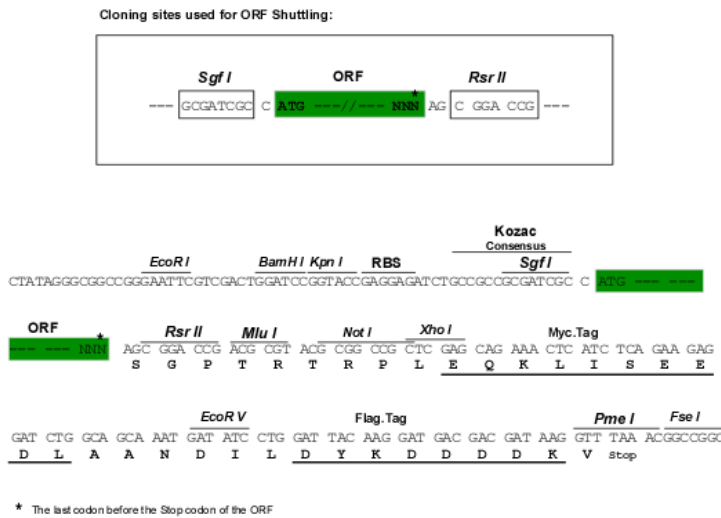
Protein Sequence: >RR202639 representing NM_012566
 Red=Cloning site Green=Tags(s)

MPRSFLVKSCKAHSYHQPRSPGPDYSLRLETVPVPGRADGGAVSAGESKMEPRERLSPESQLTEAPDRAS
 ASPNSCEGSVCDPSSEFEDYWRPPSPSVSPASEKSLCRSLDEAQPYTLPFKPYAWSGLAGSDLRHLVQSY
 RQCSALERSAGLSLFCERGAESGRPAARYGSEQAAGGAGAGQPGSCGAASGATSAGLGLYGDFAPAAAG
 LFERPSTAAGRLYQDRGHELHADKSVGVKVESELLCTRLLLGGGSYKCIKCSKVFSTPHGLEVHVRSHS
 GTRPFACEMCGKTFGHAVSLEQHKAVHSQERSFDCKICGKSFKRSSTLSTHLLIHS DTRPYPCQYCGKRF
 HQKSDMKKHTFIHTGEKPHKCQVCGKAFSQSSNLI THSRKHTGFKPFGCDL CGKGFQRKVDLRRHRETQH
 GLK

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_012566

ORF Size: 1269 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_012566.1](#), [NP_036698.1](#)

RefSeq Size: 2407 bp

RefSeq ORF: 1272 bp

Locus ID: 24388

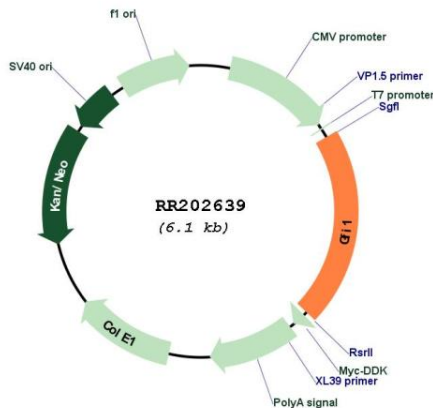
UniProt ID: [Q07120](#)

Cytogenetics: 14p22

MW: 45.9 kDa

Gene Summary: putative transcription factor that contains novel zinc-finger motif; may regulate the expression of genes active during mitosis [RGD, Feb 2006]

Product images:



Circular map for RR202639