

Product datasheet for **MG204381**

Klf5 (BC006646) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klf5 (BC006646) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Klf5
Synonyms: 4930520J07Rik; Bteb2; CKLF; IKLF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204381 representing BC006646
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGTATCTGACCCCTCAGCTCCCTCCAGTTCGATAATTTAGAGCATAAAAAGTATAGACGAG
ACAGTGCCTCAGTGGTAGACCAGTTCTTCACTGACACTGAAGGCATACCTTACAGCATCAACATGAACGT
CTTCTCCCTGACATCACTCACCTGAGAAGTGGCTCTACAAATCCCAGAGACCATGCGTAACACAGATC
AAGACAGAACCTGTTACCATTTTCAGCCACCAGAGCGAGTCGACGGCCCTCCTCCTCCTCCGGCCCCCA
CCCAGGCTCTCCCGAGTTCAGTATCTTTCAGCTCCCACCAGACCACAGCGCCACCACAGGAGGTGAA
CAATATCTTCATCAAACAAGAACTTCTATACCAGATCTTCATCTCTGTCCCTTCCCAGCAGGGCCAC
CTGTACCAGCTGTTGAATACACCGGATCTAGACATGCCAGTTTCGACAAACCAGACGGCAGTAATGGACA
CCCTTAATGTTTCTATGGCAGGCCTTAACCCACACCCCTCTGCTGTTCCACAGACGTCAATGAAACAGTT
CCAGGGCATGCCCTTGCACGTACACCATGCCAAGTCAGTTTCTTCCACAGCAGGCCACCTACTTTCCC
CCGTCAACCAAGCTCAGAGCCTGGAAGTCCCGATAGACAAGCTGAGATGCTGCAGAATCTCACCCAC
CTCCGTCTATGCCGCTACAATTGCTTCCAAACTGGCGATTACAAACCAAAATTTACCTGCCACTCTGCC
AGTTAATTCGCCAACTCTCCACCTGTGAGATACAACAGAAGGAGTAACCCGGATCTGGAGAAGCGACGT
ATCCACTTCTGCGATTATAATGGTTGCACAAAAGTTTATACAAAGTCGTCTCACTAAAAGCTCACCTGA
GGACTCATACGGGTAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204381 representing BC006646
 Red=Cloning site Green=Tags(s)

MEKYLTPQLPPVPII SEHKKYRRDSASVVDQFFTDTEGIPYSINMNVFLPDITHLRTGLYKSQRPCVTQI
 KTEPVTIFSHQSESTAPPPPPAPTQALPEFTSIFSSHQTAPPQEVNIFIKQELPIDLHLSVPSQQGH
 LYQLLNTPLDMPSSSTNQTAVMDTLNVSMAGLNPHPSAVPQTSMKQFQGMPPCTYTMPSSQFLPQQATYFP
 PSPPSSEPGSPDRQAEMLQNLTPPPSYAATIASKLAIHNPPLPATLPVNSPTLPPVRYNRRSNPDLEKRR
 IHFCDYNGCTKVYTKSSHLKAHLRHTHTGR

TRTRPLE - GFP Tag - V

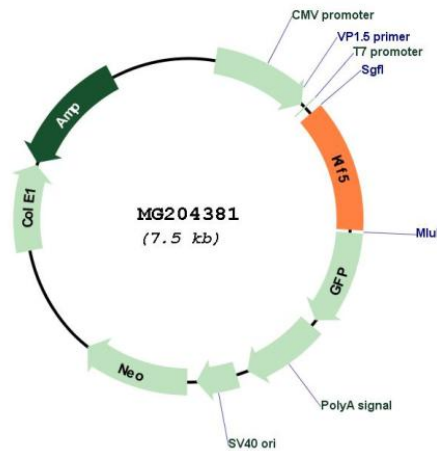
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC006646

ORF Size: 929 bp

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|-------------------------------|---|
| 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: | BC006646 , AAH06646 |
| RefSeq Size: | 2907 bp |
| RefSeq ORF: | 929 bp |
| Locus ID: | 12224 |
| Cytogenetics: | 14 E2.2 |
| Gene Summary: | Transcription factor that binds to GC box promoter elements. Activates the transcription of these genes.[UniProtKB/Swiss-Prot Function] |