

Product datasheet for **RR209555**

Klf5 (NM_053394) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klf5 (NM_053394) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klf5
Synonyms:	Bteb2; bteb2; IKLF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR209555 representing NM_053394
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCACGCGGGTCTGACCATGAGCGCCCGCTGGACCAGTGCCCCAGCCGCGCCGCGCAGGACG
 AGCCAGTGTTCGCGCAGCTCAAGCCGGTCTGGCGCTGCGAACCAGGTCGCGCAGCGGGCTCTTCCC
 CGGAGACGATCTGAAACACGCGCACCACCACCCGCTGCGCCGCGCAGCCGCGCCGCGACTGCCT
 TGCGAGGAGCTGGTCCAGACAAGATGTGAAATGGAGAAGTATCTGACACCTCAGCTTCTCCAGTCCGA
 TAATTTACAGACATAAAAAACAGACGAGACAGTGCCTCAGTGGTCGACCAGTTCTTCACTGACACTGA
 AGGCTTACCTTACAGCATCAACATGAACGTCTTCTCCCTGACATCACGCACCTGAGAACTGGCCTCTAC
 AAATCCCAGAGACCATGCGTAACACAGATCAAGACAGAACCTGTTACCATTTTCAGCCACCAGAGCGAAT
 CCACCGCCCTCTCTCCGGCCCCACCCAGGCCCTCCCTGAGTTCACCAGTATATTACAGTCCCACCA
 GACCACAGCGCCAGAGGTGAACAATATCTTCATCAAACAAGAAGTTCCTATACCAGATCTTCATCTCTCG
 GTCCTTCCCAGCAGGGCCACCTGTACCAGCTGTTGAATACACCTGATCTAGACATGCCAGTTCGACAA
 ACCAGACAGCAGTCATGGACACCCTTAATGTCTCTATGGCTGGCCTTAACTCACACCCCTCTGCTGTGCC
 ACAGAGTCCATGAAACAGTTCAGGGCATGCCTCCTTGACGTACACCATGCCGAGTCAGTTTCTTCCA
 CAGCAGGCCACCTACTTCCCCATCACCACCGAGCTCAGAGCCTGGAAGTCTGATAGACAAGCTGAGA
 TGCTCCAGAATCTGACCCACCTCCGTCCTATGCTGCTACAATTGCTTCGAAACTGGCAATTCACAAATCC
 AAATTTACCTGCCACTCTGCCAGTTAATTCGCCAAATATCCAACCTGTCGATACAACAGAAGGAGTAAC
 CCGGATCTGGAGAAGCGACGCATCCATTTCTGTGATTATGATGGTTCACAAAAGTTTATACAAAGTCGT
 CTCATTTAAAAGCTCACCTGAGGACTCATACGGCGGAGAAGCCCTACAAGTGCACCTGGGAGGGCTGCGA
 CTGGAGGTTTGGCCGGTTCGGACGAGCTGACCCGCGCACTACAGGAAGCACACGGGTGCCAAGCCGTTCCAG
 TGCGTGGTGTGAACCGCAGCTTCTCCGCTCCGACCACCTGGCGCTGCACATGAAGCGCCACCAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209555 representing NM_053394
 Red=Cloning site Green=Tags(s)

MPTRVL TMSARLGPVPQPPAAQDEPVFAQLKPVLGAANPVRDAALFPGDDLKHAHHHPAPPPAAGPRLP
 CEELVQTRCEMEKYLTPQLPPVPIISEHKKYRRDSASVVDQFFDTEGLPYSINMNVFLPDITHLRTGLY
 KSQRPCVTQIKTEPVTIFSHQSESTAPPPAPTQALPEFTSIFSSHQTTAPEVNNIFIKQELPIPDHLHS
 VPSQQGHLYQLLNTPLDMPSSSTNQTAVMDTLNVSMAGLNSHPSAVPQTSMKQFQGMPPCTYTMPQSFLP
 QQATYFPPSPSPSEPGSPDRQAEMLQNLTPPPSYAATIASKLAIHNPPLPATLPVNSPNIQPVRYNRRSN
 PDLEKRRIFHCYDYGCTKYTKSSHLKAHLRHTGKPYKCTWEGCDWRFARSDELTRHYRKHTGAKPFQ
 CVVCNRSFSRSDHLALHMKRHQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_053394

ORF Size: 1329 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_053394.2](#), [NP_445846.2](#)

RefSeq Size: 3232 bp

RefSeq ORF: 1332 bp

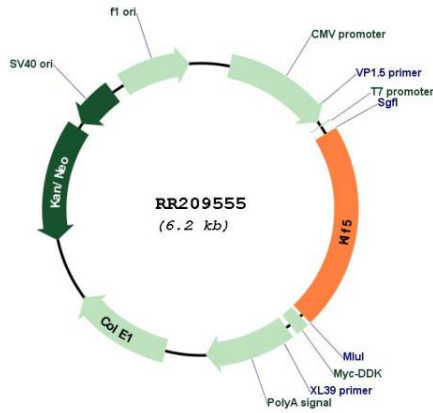
Locus ID: 84410

Cytogenetics: 15q21

MW: 49.5 kDa

Gene Summary: mouse homolog is a transcription factor involved in positive regulation of cellular proliferation [RGD, Feb 2006]

Product images:



Circular map for RR209555