

Product datasheet for **MR207120**

Klf5 (NM_009769) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klf5 (NM_009769) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klf5
Synonyms:	4930520J07Rik; Bteb2; CKLF; IKLF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207120 representing NM_009769
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACGCGGGTCTGACCATGAGCGCCCGCTGGACCAGTCCCCAGCCGCGCCGCGCAGGACG
 AGCCCGTTCGCGCAGCTCAAGCCGGTCTGGGCGCTGCGAACCCGCCGCGCAGCGCGGCTCTTCTC
 CGGAGACGATCTGAAACACGCGCACCACCACCCGCTGCGCCGCGCCAGCCGCTGGCCCGGACTGCC
 TCGGAGGAGCTGGTCCAGACAAGATGTGAAATGGAGAAGTATCTGACCCCTCAGCTCCCTCCAGTCCGA
 TAATTTACAGAGCATAAAAAGTATAGACGAGACAGTGCCTCAGTGGTAGACCAGTTCTTCACTGACACTGA
 AGGCATACCTTACAGCATCAACATGAACGTCTTCTCCCTGACATCACTCACCTGAGAACTGGCCTCTAC
 AAATCCCAGAGACCATGCGTAACACAGATCAAGACAGAACCTGTTACCATTTTCAGCCACCAGAGCGAGT
 CGACGGCCCTCCTCCTCCTCCGCCCCACCCAGGCTCTCCCGAGTTCCTAGTATCTTCACTCCCA
 CCAGACCACAGCGCCACCACAGGAGGTGAACAATATCTTCAACAACAAGAACTTCTATACCAGATCTT
 CATCTCTGTGCCCTCCAGCAGGGCCACCTGTACCAGCTGTTGAATACCCGGATCTAGACATGCCCA
 GTTCGACAAACCAGACGGCAGTAATGGACACCCTAATGTTTCTATGGCAGGCCCTAACCCACACCCCTC
 TGCTGTTCCACAGACGTCAATGAAACAGTTCAGGGCATGCCCCCTTGACGTACACCATGCCAAGTCAG
 TTTCTTCCACAGCAGGCCACCTACTTTCCCGCTCACCACCAAGCTCAGAGCCTGGAAGTCCCGATAGAC
 AAGCTGAGATGCTGCAGAATCTCACCCACCTCCGTCCTATGCCGCTACAATTGCTTCAAACCTGGCGAT
 TCACAACCCAAATTTACCTGCCACTCTGCCAGTTAATTCGCCAACTCTCCACCTGTCAGATAACAAGA
 AGGAGTAACCCGGATCTGGAGAAGCGACGTATCCACTTCTGCGATTATAATGGTTGCACAAAAGTTTATA
 CAAAGTCGTCTCACTTAAAAGCTCACCTGAGGACTCATACGGGCGAGAAGCCCTACAAGTGCACCTGGGA
 GGGCTGCGACTGGAGTTTGCCTGGTCCGATGAGCTGACCCGCCACTACAGGAAGCACACGGGCGCCAAG
 CCGTTCAGTGCATGGTGTGCCAACGCAGCTTCTCCCGCTCCGACCACCTCGCGCTGCACATGAAGCGCC
 ACCAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207120 representing NM_009769
 Red=Cloning site Green=Tags(s)

MPTRVL TMSARLGPLQPPAAQDEPVFAQLKPVLGAANPARDAALFSGDDLKHAHHHPPAPPPAAGPRLP
 SEELVQTRCEMEKYLTPQLPPVPIISEHKYRRDSASVVDQFFTDTEGIPYSINMNVFLPDITHLRTGLY
 KSQRPCVTQIKTEPVTFISHQSESTAPPPAPPTQALPEFTSIFSSHQTTAPPQEVNIFIKQELPIPDL
 HLSVPSQQGHL YQLLNTPDLDMPSTNQTAVMDTLNVSMAGLNPHPSAVPQTSMKQFQGMPPCTYTPSQ
 FLPQQATYFPPSPSSEPGSPDRQAEMLQNLTPPPSYAATIASKLAIHNPPLPATLPVNSPTLPPVRYNR
 RSNPDLEKRRIFCDYNGCTKVYTKSSHLKAHLRHTGKPYKCTWEGCDWRFARSEDELTRHYRKHTGAK
 PFQCMVCQRSFSRSDHLALHMKRHQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_009769

ORF Size: 1338 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

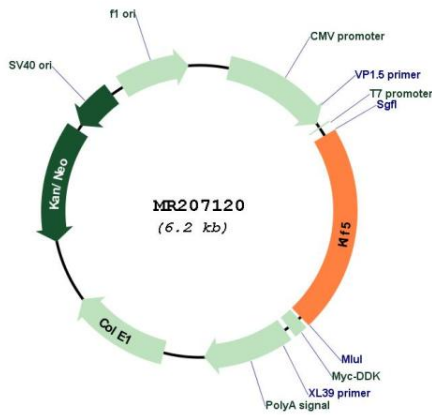
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_009769.4</u>
RefSeq Size:	1739 bp
RefSeq ORF:	1341 bp
Locus ID:	12224
UniProt ID:	<u>Q9Z0Z7</u>
Cytogenetics:	14 E2.2
MW:	50.2 kDa
Gene Summary:	Transcription factor that binds to GC box promoter elements. Activates the transcription of these genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207120