

Product datasheet for MR222982

Klf3 (NM_008453) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klf3 (NM_008453) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klf3
Synonyms:	9930027G08Rik; AL024007; Bklf; Tef-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222982 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCATGTTTGATCCAGTCCCTGTCAAGCAGGAGGCCATGGACCCTGTCTCGGTGTCCTTCCCGTCGA
ATTACATAGAATCGATGAAGCCCAACAAATATGGGGTCATTTACTCCACACCGTTGCCTGATAAGTTCTT
CCAGACCCAGAAAGGCCTCACTCACGGGATACAGGTGGAGCCGGTGGACCTCACGGTGAACAAGCGGGC
TCCCCGCCTGCTCGGGCGGTTCTCCTTCTCTCTGAAGTCCCCTCCACCGGAGAGCGTCACCTGGCC
TCAGCATGCCCTCCTCCAGTCCGCCATTAAGAAGTACTCGCCCCCTTCTCTGGCGTGCAGCCCTTGG
AGTACCCCTGTCTATGCCGCTGTGATGGCAGCCGCGCTGCCAGACACGGAATCCGGAGCCAGGCATC
CTCCCCGTCACTCAGCCCGTCTGGTCCAGCCGTTCTTTTTATGTATACCAGCCACCTGCAGCAGCCTC
TCATGGTTTCTTGTGCGAAGAGATGGACAATCAAACAGCGGCATGCCAGTACCTGTAATTGAATCATA
TGAGAAGCCCTTATTACAGAAAAAATTAATAAGAGCCTGGAATTGAACCACAGAGGACTGACTATTAC
CCTGAAGAAATGTCACCCCTTTAATGAACCCAGTGTCCCCCGCAAGCCTTGTGCAAGAGAACCATC
CTTCCGTCATCGTGCAGCCTGGGAAGAGACCTCTACCTGTGGAATCCCCGGATACCCAAAGGAAGCGCAG
GATACACAGATGCGACTATGATGGGTGCAATAAGGTCTACACTAAGAGCTCGACTTGAAGCACACAGA
AGAACTCATAACAGGAGAAAAGCCGTACAAATGCACCTGGGAAGGCTGCAGTGGAAAGTTCGCTCGGTCTG
ATGAACTGACGAGACATTTCCGAAAACACACTGGGATCAAACCTTCCAGTGTCCAGACTGTGACCGAAG
CTTCTCTCGCTCTGACCACCTTGCCCTACACAGGAAACGCCACATGCTAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222982 protein sequence
Red=Cloning site Green=Tags(s)

MLMFDVPVKQEAMPVSVSFPNSYIESMKPNKYGVIYSTPLPDKFFQTPEGLTHGIQVEPVDLTVNKRGSPPAAGGSPSSLKFP SHRRASPLSMPSSSPPIKKYSPSPGVQPFVPLSMPPVMAAALSRHGIRSPGILPVIQPVVVQPVPFMYTSHLQQPLMVSLSEEMDNSNGMPVPIESYKPLLQKKIKIEPGIEPQRTDYYPEEMSPPLMNPVSPQALLQENHPSVIVQPGKRPLPVESPDTQRKRRIHRCDYDGCNKVYTKSSHLKAHRTHHTGEKPYKCTWEGCTWKFARSEDELTRHFRKHTGIKPFQCPDCDRSFSRSDHLALHRKRHMLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008453

ORF Size: 1035 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_008453.6](#)

RefSeq Size: 2314 bp

RefSeq ORF: 1035 bp

Locus ID: 16599

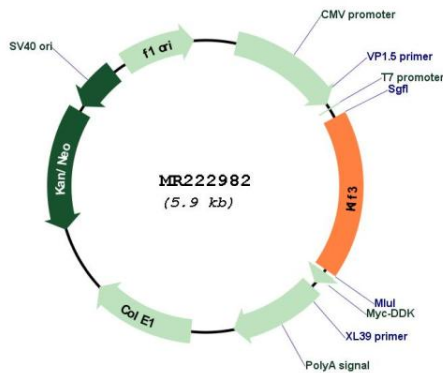
UniProt ID: [Q60980](#)

Cytogenetics: 5 C3.1

MW: 38.6 kDa

Gene Summary: Binds to the CACCC box of erythroid cell-expressed genes. May play a role in hematopoiesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222982