

Product datasheet for **MR205402**

Klf8 (NM_173780) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klf8 (NM_173780) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Klf8
Synonyms: A830097P10Rik; BKLF3; ZNF74
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR205402 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATAAATTCATAGACAACATGGATGTCCGAATTAATCAGAAAGTGGTTCGATGCAGGTATTCAAAC
AGGTCCTGGCCCTGTTCCGACCAGAGATCCTTCTGCGAGAGCAGACAGAAGGAATGACTTCTCCATC
ATTCCTGGCTGCCAGCCCAATGGAGAACCAGCTCTGTTAATGATATCAAGATCGAGCCCCAGAAGAG
CTCCTGGAGAGTGATTTCAACATGCCCCAGGTGGAACCTGTTGATCTCTCCTTTCACAAACCGAAGGCTC
CGCTCCAGCCTGCTAGCATGCTGCAAGCTCCAATCCGTCCTCCCAAGCCACCGACTGCACCTCAAGCCAT
TATGGTGCCTACTTCAGCTGACACAGTCACTTCGGCAGCCATTCTACTGTTCTCACTCCGGGCTCTATC
CTGGCCTCGTCTCAGGGGACCGGTGGCCAGCCGATTTTACATGTGATCCACACCATCCCCTCAGTCAGTT
TGCCAAATAAGATGAGTGGACTAAAGACAATCCCACTGGTGGTCCAGTCTTTGCCATGGTCTATACCAG
TCTGCCTACAGATGGGAGCCCTGCAGCCATTACTGTCCCACTCATTGGAGGAGACGGCAAAAGTGTGGA
TCGGTCAAAGTTGACCCCGCCTCCATGTGCCACTGGAGTTTCCAAGTGATAGTATGAGAGTCAATTG
AAAGTGGCTTTCAGCCTTACAGAGTCTCCAGGGATTTTCATCATGACCCAGCAGCAATGGTCCACATGCA
GGGAGAAGAGTCTTTGACTTAAAGAGAAGACGGATTCATCAGTGTGACTTTGCAGGATGCAGCAAAGTG
TACACCAAAAGCTCTCACCTGAAAGCTCACCGCAGAATCCATACAGGAGAGAAGCCTTACAAGTGCACCT
GGGATGGCTGTTCTGAAATTTGCTCGCTCGGATGAGCTTACTCGCATTTCGGTAAGCACACGGGCAT
CAAGCCATTCCGGTGCACAGACTGCAACCCAGTTTTTCTCGATCTGACCACTTGTCCCTCCACCGCCGG
CGTCATGACACCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205402 protein sequence
Red=Cloning site Green=Tags(s)

MDKFIDNMDVRIKSESGSMQVFKQVTGPVPTRDPSARADRRNMTSPSFLAASPMENPALFNDIKIEPPEE
 LLESDFNMPQVEPVDLSFHKPKAPLQPASMLQAPIRPPKPPTAPQAIMVPTSADTVTSAAIPTVLTPGSI
 LASSQGTGGQPILHVIHTIPSVSLPNKMSGKLT IPLVVQSLPMVYTS LPTDGPAAITVPLIGDDGKSAG
 SVKVDPASMCPLEFFSDSDESAIESGSSALQSLQGFHHEPATMVHMQGEESLDLKRRIHQCDFAGCSKV
 YTKSSHLKAHRIHTGEKPYKCTWDGCSWKFA RSEDELTRHFRKHTGIKPFRCCTDCNRSFSRSDHLSLHRR
 RHDTM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

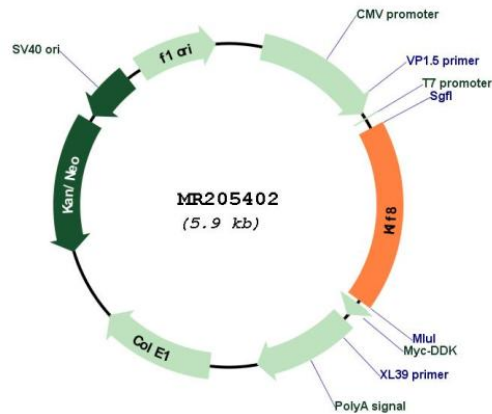
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_173780

ORF Size:	1068 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	NM_173780.5
RefSeq Size:	4457 bp
RefSeq ORF:	1068 bp
Locus ID:	245671
UniProt ID:	Q8BLM0
Cytogenetics:	X F3
MW:	38.8 kDa
Gene Summary:	Transcriptional repressor and activator. Binds to CACCC-boxes promoter elements. Also binds the GT-box of cyclin D1 promoter and mediates cell cycle progression at G(1) phase as a downstream target of focal adhesion kinase (FAK) (By similarity).[UniProtKB/Swiss-Prot Function]