

Product datasheet for MC207934

Klf8 (NM_173780) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klf8 (NM_173780) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klf8
Synonyms: A830097P10Rik; BKLF3; ZNF74
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207934 representing NM_173780
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATAAATTCATAGACAACATGGATGTCCGAATTAATCAGAAAGTGGTTCGATGCAGGTATTCAAAC
 AGGTCCTGGCCCTGTTCCGACCAGAGATCCTTCTGCGAGAGCAGACAGAAGGAATGACTTCTCCATC
 ATTCCTGGCTGCCAGCCCAATGGAGAACCAGCTCTGTTAATGATATCAAGATCGAGCCCCAGAAGAG
 CTCTGGAGAGTGATTTCAACATGCCCCAGGTGGAACCTGTTGATCTCTCCTTTCACAAACCGAAGGCTC
 CGCTCCAGCCTGCTAGCATGCTGCAAGCTCCAATCCGTCCTCCCAAGCCACCGACTGCACCTCAAGCCAT
 TATGGTGCCTACTTCAGCTGACACAGTCACTTCGGCAGCCATTCTACTGTTCTCACTCCGGGCTCTATC
 CTGGCCTCGTCTCAGGGGACCGGTGGCCAGCCGATTTTACATGTGATCCACACCATCCCCTCAGTCAGTT
 TGCCAAATAAGATGAGTGGACTAAAGACAATCCCACTGGTGGTCCAGTCTTTGCCTATGGTCTATACCAG
 TCTGCCTACAGATGGGAGCCCTGCAGCCATTACTGTCCCACTCATTGGAGGAGACGGCAAAAGTGTGGA
 TCGGTCAAAGTTGACCCCGCCTCCATGTGCCACTGGAGTTTCCAAGTGATAGTATGAGAGTCAATTG
 AAAGTGGCTTTCAGCCTTACAGAGTCTCCAGGGATTTTCATCATGAGCCAGCAGACAATGGTCCACATGCA
 GGGAGAAGAGTCTCTTGACTTAAAGAGAAGACGGATTCATCAGTGTGACTTTGCAGGATGCAGCAAAGTG
 TACACCAAAAGCTCTCACCTGAAAGCTCACCGCAGAATCCATACAGGAGAGAAGCCTTACAAGTGCACCT
 GGGATGGCTGTTCTGGAATTTGCTCGCTCGGATGAGCTTACTCGCATTTCGGTAAGCACACGGGCAT
 CAAGCCATTCCGGTGCACAGACTGCAACCCGAGTTTTTCTCGATCTGACCACTTGTCCCTCCACCGCCGG
 CGTCATGACACCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_173780



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Insert 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>
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_173780.4 , NP_776141.1
RefSeq Size:	4457 bp
RefSeq ORF:	1068 bp
Locus ID:	245671
UniProt ID:	Q8BLM0
Cytogenetics:	X F3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>