

Product datasheet for **RN210308**

Klf2 (NM_001007684) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klf2 (NM_001007684) Rat Untagged Clone
Tag: Tag Free
Symbol: Klf2
Synonyms: Lklf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN210308 representing NM_001007684
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCTCAGCGAGCCTATCTTGCCGTCTTTGCCACTTTCGCCAGCCCTGCGAGCGCGGCTCCAGG
 AGCGCTGGCCGCGAAATGAGCCCGAGGCGGGCAGCACGGATGAGGACCTAACAGCGTGTGGACTTCAT
 CCTGTCCATGGGACTGGACGGCTGGGCGCGAGAACCCTCCCGAGCCCCACCGAGCCCCGCTCCT
 GCGTTCTACTACCGGAGCCGGGTGCCCTCCGCCCTATGGACCCCGGGCTGGCTGGGAACGGAGC
 TGCTGCGCCGGATCTGGATGCGCCTCAGGGCGGGCTCTACACGCGCTTCTCCTCGCGCTCCCGG
 GCGGCTGGTAAAAGCCGAGCCCCGAGGTGGACGGCGGGCTACGGGTGCGCAGCCGGCTTGGCTCGC
 GGACCGCGCGGGCTGAAGCTCGAGGGCGCCCTGGGAGCGACAGGTGCATGCATGCGGGTCTGCTGGCC
 GTCCCCACCGCCTCCGACACGCGCGCTCAGCCCCGAGGCCCCCCGCGCTCCCGGCGCCCGGTCC
 CCGCAACCGTTCCCGCCACCCTTCGGCCCCGGCCCCAGCTTCGGCGGCCCGGCCCGCTTGCCTAC
 GGGCGCCCGCTCCCGCGCTTTCGGTCTTTCGACGACGCGCGGGCTCTGGGTCTTGTCCCCCTG
 CCACGCGCGTCTCCTCACGCGCCCTCGTCCCCGCTGGAGCTGTTGGAGCCAAGCCAAGCGCGGCCG
 CCGCTCCTGGCCCCGCAAGCGCGCCGCCACGCACACTTGACGTACACCAACTGCGGCAAGACCTACACC
 AAGAGTTCGCACCTAAAGCGCATCTGAGGACGCACAGGTGAGAAGCCTTATCATTGCAACTGGGAG
 GCTGCGGCTGGAAGTTCGCGCGCTCTGACGAGCTTACCGCCACTACCGCAAGCACGGGTACAGGCC
 CTTCAGTGCCACTTGTGCGACCGGGCTTCTCCAGTCCGACCCTGGCTCTGCATGAAGCGACAC
 ATG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3129_a01.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001007684
Insert Size:	1056 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>Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).</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:	<u>NM_001007684.1</u> , <u>NP_001007685.1</u>
RefSeq Size:	1056 bp
RefSeq ORF:	1056 bp
Locus ID:	306330
UniProt ID:	<u>Q9ET58</u>
Cytogenetics:	16p14
Gene Summary:	Transcription factor that binds to the CACCC box in the promoter of target genes such as HBB/beta globin or NOV and activates their transcription. Might be involved in transcriptional regulation by modulating the binding of the RARA nuclear receptor to RARE DNA elements (By similarity).[UniProtKB/Swiss-Prot Function]