

Product datasheet for **MC205347**

Klf7 (NM_033563) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klf7 (NM_033563) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klf7
Synonyms: 9830124P08Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC019604
 GTCAGTGAGTTTGC GTTCCCCTTCTGATCCACGCGCTGGAGTGATTAGGCCCTGGAAGGGAATTGTTA
 CTCCCGTGAAGTCCCCTTTTCTGGCAGTCATCTGCACTGTACAGCTGGATCCCCTCTCCGATCCACC
 CCACTCACTCGCTCCTCTCTCACCTCCTCTCTCACCTCCTCTCTCCCTCCTCTCTCACCTCCTCTCTC
 CCTCTCTCCTGCATTGATTTTTTTTCTCTCCTTTTTTTAGTTGACTGAAACAAAACAAAACAAAAGGCC
 ACTGGATGCTGCCTTCTGGGGGTGAGCCAGACAGACTGACAAACAAACAGACCCAGCTGAGCTCGGG
 GGAGGGTTTCTCCTCCGTTTTGCCCCGCGCAGCAGCAGCATGGACGTGTTGGCTAGTTATAGTATATTCCA
 GGAGCTACAACCTGTCCACGACACCGGCTACTTCTCAGCTTTGCCATCCCTGGAGGAGACCTGGCAGCAG
 ACATGCCTTGAGTTGGAACGCTACCTCCAGACAGAACCCCGCGGATCTCGGAGACCTTTGGTGAGGACT
 TGGACTGCTTCTCCACGCTTCTCCTCCCCATGCATTGAGGAGAGCTTCCGGCGCTAGACCCCTTGCT
 GCTCCCAGTGGAAGCCACCATCTGCGAGAAGAGCTCCGCAGTGGACATTTTGCTCTCTCGGGACAAGTTG
 CTATCTGAGACCTGCCTCAGCCTCCAGCCAACAGCTCTTCTCTAGACAGCTACACAGCCGCAACCCAGG
 CCCAGCTCAACGCACTGACCTCATTAAACGCCGCCCTCATCCCCTGAGCTCAGCCGCCATCTGGTCAAAC
 CTCACAGACTCTCTCAGCCGTGGATGGCACAGTGACGTTGAAACTGGTGGCCAAGAAGGCTTCCCTCAGC
 TCGGTGAAGGTGGGAGGGGTGGCGGCGCGCAGCCGTGACACCAGCTGGAGCAGTTAAGAGTGGACAGA
 GCGACAGTGAGCAAGGAGGGGGAGGGGCTGACACATGCCCTGAAAACAAGAAGAGGGTCCATCGTGTCA
 GTTTAACGGGTGCCGAAAGTTTATACAAAAGCTCCCACTTAAAGGCCACCAGAGGACTCACACAGGT
 GAGAAGCCTTACAAGTGTCTATGGGAAGGATGCGAGTGGCGTTTTGCACGGAGCGATGAGCTCACAAGGC
 ACTACAGGAAACACACAGGTGCAAAGCCCTTAAAGTGAACCACTGCGACAGGTGTTCTCCAGGTCTGA
 CCATCTTGCCTCCATATGAAGAGACATATCTAAACAAAACAAAACAAGCAAAAATAAAAACAAACAAAA GTAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_033563
Insert Size: 906 bp



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OTI Disclaimer:	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).
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:	BC019604 , AAH19604
RefSeq Size:	1344 bp
RefSeq ORF:	906 bp
Locus ID:	93691
UniProt ID:	Q99JB0
Cytogenetics:	1 C2
Gene Summary:	Transcriptional factor (PubMed:11245580). Plays a critical role in neuronal morphogenesis (PubMed:11336497, PubMed:15964824). Represses the corneal epithelium differentiation (By similarity). Acts also as a metabolic regulator, by modulating insulin sensitivity in pancreatic beta cells and skeletal muscle cells. Inhibits transcriptional inducers of adipogenesis and has a repressive role in the expression of several adipokines, including leptin (By similarity). [UniProtKB/Swiss-Prot Function]