

## Product datasheet for **MC204853**

### **Klf17 (NM\_029416) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Klf17 (NM_029416) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klf17
Synonyms:	7420700M05Rik; AA420409; AU043468; C85123; D4Ertd561e; Gzf; Zfp393
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC064748  
CACGCCTGTGACGGTGTAAAGGGCCGGGCAGCCTCCCGTTTGTCTCAACTTGGGTCTCAGCCGGCATGGA  
GCAGGACAATAAGGAACAGGCTATGCACCAGCCTCCCATGGATAATAAGATGTTGGTGCCAGTGTGCAAT  
GTGCCCGTGTCTTCTGGAACAGCGGATTTTCATCAGCCACCAGCCACTCAATACTTACCAGAGATGATGA  
GGTCTATATGGCATCAGCTGAGGAGCTCAGATGCAATGAGAGAGAATGGGAATCACAGCTCATTAGGTC  
GCTGCCTGAGCATGGTGTGAGGTGCCCTCCCAGCTGGCTCCTATACCTTTCCAGAATTATTGTCAGAGA  
TCGATTGGGAGGGGATCCCACGTGATGCCAGTTGGAAGTTCAGGTAAGTCTGGGAGTGACCATTTCCCTTCA  
GTGAGAATCTAATGCCTCAGGGTGGCCTGCCAAGTTCCTGGAGTCTCAGTGATGGCCATAGCCGGTGC  
CCCAGCAATGCCTTATCCTATGCCTCCAACAGTACCTGCCACCACGGGCTCTTTAAAACATGGAATATTG  
TTGGTCCCAGGCATGGCTTCCGCTGGGACCCATGCTGTGGCTCCGTTTATGGATCAGATGTTGCACTCCA  
TAAATCCCTGCAATCCTGAGATGCTCCCAGCTAGGTTCCAGCAATTGCTACCTTTAGACTCCCAAGATTC  
ACTTGTGACTGAGTCAAATACCCAGGAAGAACCTTTCGTACGTGAGCCGCCACACTGCTCCAGAGGGG  
GCAGAGAGCCCCAGTACTTCAAGAGGGGCAACCAGGAGACAGTCCCAGTTTCAAGGCCATTATGTCTGCA  
CATATAACAGCTGTGAAAAATCTTATACCAAGCGCTCTCACCTTGTGAGTCACCAACGCAACACACAGG  
TGTGAAGCCCTTCGCATGTGACTGGAACGGATGTACGTGGAAGTCTTCCGCTCTGATGAGCTTGGACGA  
CACAAACGGATTCATACCAGATACCAGCACATAAATGCGATGAGTGTGATCGAGAGTTCATGAGATCTG  
ACCATCTCAGGCAGCACAAAAGAACGCATCTGCCCAAGTAAGACTTCTGCAGCCTCAAGCCAACAATGG  
ATAGACAGATGAGACAGACAGTCTCTTGTCTGCTCGGGAGCTTACAGCTCTTTCCTGTAGTCTTAAC  
CCAAGATTCAGTTGCTCAAGACCAGATCATCTCTGGGAAGGTGAAGGTTCCGGATGGAGACAGGAAGTGGT  
GGGGAAGCCACACGAAGCTCTGGATGTACCATGTGTTTCTCAAAATCTGGTACCCTCCCCTCTCAGAG  
ATTACTGACTTCTGCCAGCTGAGAAGGCAGAGCCAGAGATAGGATTTTACTAGAAAGCTTTTATCTCCTG  
TCAACCCCAAGTGTGGCTCTCTCATGACTGTTCCACAAAATCCCATGTTCTCTCCCTGGCCTTCCAGGT  
TCCAGGGCCAGACCATGGGAAAGTCTTTGAACTCTGTGCTTTTTTACATCTTAGTGCTGGAACATTCTG  
GATATAACAATGTTGTCTTACCTCAGATTCTCTCTGGCCTTCACTGTCCGCATGCCAGAGTTGGTCTCTT  
CCCTCCACTCTTGGGATAGAATGCCATTTCAAGACATGGCATCTGGCATTTCATGGGGCCACCCAAACC  
AAGCCTTGTGAGGAGACTAATATGAATGGGAGATGGGAGAGAGGCAGGCAGCAAATCTCCCCCAACCTC  
CATGAATTGTTGCAAGACATCGTATCGCTGACAGCACAATCTGTGGGAGACCTGCTACACAGCCAGCGG  
ACATGCCTGCATCTTCAAGGTTGGCCATCTTGGAACTGTTGCCTTGGGCCACTTCCCATTCTTCCCTTT  
CACTTGATCTCCTTCTATACCTTGGCTTTGAATATCCCAAATAAAAGTGTATAGGCCATTTAAGATGGC  
CTGGGGAGTAGGAGGTTGACAAACCCCTCAGTAACTTACAGGTGCAGATTGTCATTATACACACATGT  
GCAGAGGTGAGAGACAATTAGAGTCCATGATCTTTAGTGTAGGTCCTGGGATTGAACTCAGGCTGTCA  
GCCTTGGCAGCAAGTACCTTTGATACAGGTTATATTATGTAGCCTAGGCTGACTAGCAGCTTTCCTGTAT  
TTGCCTGGAAAGTCTGGAGTTAAACCACCCAGCTGGCTTCAGGTTGCCTCTCCTGCCTGGCTTTCTGGT  
TTTGAGGGGCAGTAGCTATCCTGGTCTATAGAACTTATTATATAAACTTGGCCATTTTACTGAGCATGA  
AGCTAACATAAAGAACCCTGTGGGAGCTCAAAGATTAATTGAAAAGAAGGGAGAAAAAAGAAAAA AAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_029416

**Insert Size:** 1026 bp

**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:**

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:** [BC064748](#), [AAH64748](#)

**RefSeq Size:** 2394 bp

**RefSeq ORF:** 1026 bp

**Locus ID:** 75753

**UniProt ID:** [Q8CFA7](#)

**Cytogenetics:** 4 53.46 cM

**Gene Summary:** Transcription repressor that binds to the promoter of target genes and prevents their expression. Acts as a negative regulator of epithelial-mesenchymal transition and metastasis in breast cancer. Specifically binds the 5'-CACCC-3' sequence in the promoter of ID1, a key metastasis regulator in breast cancer, and repress its expression. May be a germ cell-specific transcription factor that plays important roles in spermatid differentiation and oocyte development.[UniProtKB/Swiss-Prot Function]