

Product datasheet for **SC324238**

KLF17 (NM_173484) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KLF17 (NM_173484) Human Untagged Clone
Tag: Tag Free
Symbol: KLF17
Synonyms: Zfp393; ZLF393; ZNF393
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_173484.3
 GCCGTGGTGGCTGGTTCCCTGTCTTTTCAGTAGAGAGTCTAGACCCACCCAGTCTTCAT
 GTACGGCCGACCCGAGGCTGAGATGGAACAGGAGGCTGGGAGCTGACCCGGTGGCAGGC
 GCGCACCCAGGCTGCCAGGATAACGAGAAGTCAAGCGCCATCTTGAACATGTCTTCATC
 TTCTGGAAGCTCTGGAGTGCACACCTCTTGAACCAAGGCTACCAACCATTTCAGCACTT
 TCCTCACAGCGCAGAGATGCTGGGGTCCCCTTTGGTGTCTGTTGAGGCGCCGGGCGAGAA
 TGTGAATGAAGGGGGGCCACAGTTCAGTATGCCACTGCCTGAGCGTGGTATGAGCTACTG
 CCCCCAAGCGACTCTCACTCCTCCCGGATGATTTACTGTGAGAGAAATGTCTCCCCCTCA
 GCAAGAGATGACGATTTTCAGTGGGCCCAACTAATGCCCGTAGGAGAGCCCAATATTCC
 AAGGGTAGCCAGGCCCTTCGGTGGGAATCTAAGGATGCCCCAGTGGGCTGCCAGTCTC
 AGCTTCCACTGGAATCCCAATAATGTCCCACACTGGGAACCTCCAGTGCCTTACCCTGG
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GGATAACTTGAGGCCAGGAGTTTGTAGACCAGTGTGACCTTGTCTGTAAAAAATAAAAT
TAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAA

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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_173484
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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: [NM_173484.3](#), [NP_775755.3](#)

RefSeq Size: 3131 bp

RefSeq ORF: 1170 bp

Locus ID: 128209

UniProt ID: [Q5JT82](#)

Cytogenetics: 1p34.1

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 (By similarity).[UniProtKB/Swiss-Prot Function]