

Product datasheet for **RG208293**

KLF17 (NM_173484) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KLF17 (NM_173484) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: KLF17
Synonyms: Zfp393; ZLF393; ZNF393
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208293 representing NM_173484
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACGGCCGACCGCAGGCTGAGATGGAACAGGAGGCTGGGGAGCTGAGCCGGTGGCAGGCGGCCACC
AGGCTGCCAGGATAACGAGAATCAGCGCCCATCTTGAACATGTCTTCATCTTCTGGAAGCTCTGGAGT
GCACACCTCTTGAACCAAGGCCTACCAACCATTGAGCACTTTCCCTCACAGCGCAGAGATGCTGGGGTCC
CCTTTGGTGTCTGTTGAGGCGCCGGGCGAGAATGTGAATGAAGGGGGCCACAGTTCAGTATGCCACTGC
CTGAGCGTGGTATGAGCTACTGCCCAAGCGACTCTCACTCCTTCCCGGATGATTTACTGTCAGAGAAT
GTCTCCCCCTCAGCAAGAGATGACGATTTTCAGTGGGCCCAACTAATGCCCGTAGGAGAGCCCAATATT
CCAAGGTAGCCAGGCCCTTCGGTGGGAATCTAAGGATGCCCAAGTGGGCTGCCAGTCTCAGTCTCCA
CTGGAATCCCAATAATGTCCCACACTGGGAACCTCCAGTGCCTTACCCTGGCCTCTCGACAGTACCTTC
TGACGAAACATTGTTGGGCCGACTGTGCCTTCCACTGAGGCCAGGCAGTGCCTCCCTCCATGGCTCAG
ATGTTGCCCCGCAAGATGCCCATGACCTTGGGATGCCCCAGCTGAGTCCAGTCAATTGCTGGTTTTAG
GATCTCAGGACTCTTTGTCAGTCAGCCAGACTCTCAAGAAGGCCATTTCTACCAGAGCAGCCCGGACC
TGCTCCACAGACAGTAGAGAAGAACTCCAGGCCCTCAGGAAGGGACTGGTAGAAGGGGCTCCTCAGAGGCA
AGGCCTTACTGCTGCAACTACGAGAATGCGGAAAAGCTTATACCAACGCTCCACCTCGTGAGCCACC
AGCGCAAGCACACAGGTGAGAGGCCATATTCTTGCAACTGGGAAAAGTTGTCATGGTCTTTCTTCGGTTC
TGATGAGCTTAGACGACATATGCGGGTACACACCAGATATCGACCATATAAATGTGATCAGTGCAGCCGG
GAGTTCATGAGGTCTGACCATCTCAAGCAACACCAGAAGACTCATCGGCCGGGACCTCAGACCCACAGG
CCAACAACAATGGAGAGCAGGACAGTCTCCTGCTGCTGCTGCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208293 representing NM_173484
 Red=Cloning site Green=Tags(s)

MYGRPQAEMEQEAGELSRWQAAHQAAQDNENSAPILNMSSSSGSSGVHTSWNQGLPTIQHFPHSAEMLGS
 PLVSVEAPGQNVNEGGPQFSMPLPERGMSYCPQATLTPSRMIYCQRMSPQEQEMTIFSGPQLMPVGE
 PNIPRVARPFGGNLRMPPSGLPVSASTGIPIMSHTGNPPVYPGLSTVPSDETLTGPTVPSTEAQAVLP
 SMAQMLPPQDAHDLGMPPAESQSLLLVLSQDSLVSQPDSEQEFPFLPEQGPAPQTVEKNSRPQEGT
 GRRGSSEARPYCCNYENCCKAYTKRSHLVSHQRKHTGERPYSCNWESCSWSFFRSDELRRHMRVH
 TRYRYPYKCDQCSR EFMRSDDLKQHQKTHRPGSPDPQANNNGEQDSPAAGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173484

ORF Size: 1167 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_173484.2](#), [NP_775755.2](#)

RefSeq Size: 3131 bp

RefSeq ORF: 1170 bp

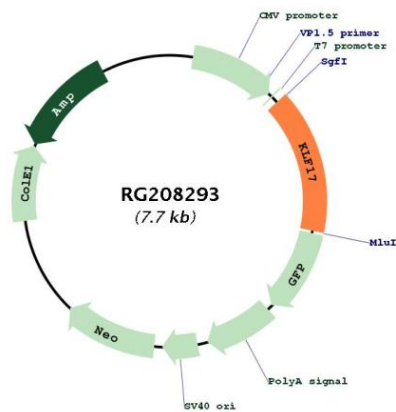
Locus ID: 128209

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]

Product images:



Circular map for RG208293