

Product datasheet for **RR204419**

Klf16 (NM_001127604) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Klf16 (NM_001127604) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Klf16
 Synonyms: MGC187751
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR204419 representing NM_001127604
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCGGCCGTGGCGTGTGTGGATTACTTTGCCGCCGACGTGCTCATGGCCATCTTTCGGGAGCCG
 TGGTGATCGCGGGGACCCGGCCCCGAGGGCGCGGGCCCCGCTGCCGGCCTGGATGTGCGCGCCACGCG
 CCGCGAGGCCACGCCCGGGGACCCCTGGGGCACGCCACGCCAGCCACCGCTCCGGGGTCGGGAGGC
 GCCACCGCTGCGCCCCACCTGCTGGCCGCCAGCATCCTGGCCGATCTGAGAGGCGGGCCGGGAGTCGCCA
 CAGCAGCCAACACCGGGGGGACCTCTCCGGTCTCCTCCTCGGCCGCTTCGTCTCCGTCTTCGGG
 CCGCGCCCCGGCGGGCAAGAGCCACCGCTGTCCCTTCCAGGCTGCGCCAAAGCCTATTACAAGTCT
 TCGCACCTCAAGTCACACCTGCGGACTCACACAGGTGAGCGGCCCTTTGCCTGTGATTGGCTGGCTGTG
 ACAAGAAGTTCGCCGTTCCGATGAGCTGGCCGCCACCACCGGACGCACACAGGCGAGAAGCGTTCCTCC
 CTGTCCCCTGTGTACCAAGCGTTACCCCGCAGCGACCACCTGACCAAGCACGCCCGGGCGCATCTGGC
 TTCCGCCCCGAACTACTGCGACGACCTGGTGCCCGCAGCGCCTCGCCAGCGACTCGCTGCCCTGCAGCT
 TGGCTGGCAGCCCCACACCTAGCCCTGTCCCAGCCAGCTCCGGCCGGCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204419 representing NM_001127604
Red=Cloning site Green=Tags(s)

MSAAVACVDYFAADVLMAISSGAVVHRGRPGPEGAGPAAGLDVRATRREATPPGTPGAPPPATAPGSSG
 ATAAPHLLAASILADLRGGPGVATAANTAGGTSPVSSSAASSPSSGRAPGAAKSHRCPPFGCAKAYYKS
 SHLKSHLRTHTGERPFACDWP GCDKKF ARSDELARHHRHTHTGEKRFPCLCTKRF TRSDHLTKHARRHPG
 FRPELLRRPGARSASPSDSLPCSLAGSPTPSPVPSAPAGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001127604

ORF Size: 753 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_001127604.1](#), [NP_001121076.1](#)

RefSeq Size: 2622 bp

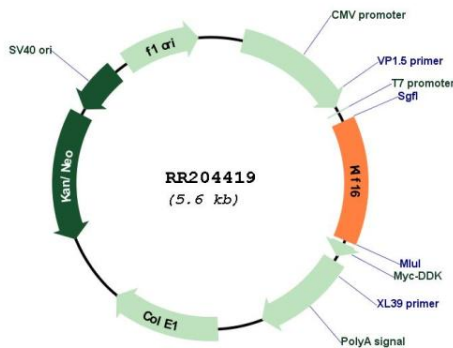
RefSeq ORF: 756 bp

Locus ID: 690820

Cytogenetics: 7q11

MW: 25.6 kDa

Product images:



Circular map for RR204419