

Product datasheet for **MC212304**

Klf16 (NM_078477) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klf16 (NM_078477) Mouse Untagged Clone
Tag: Tag Free
Symbol: Klf16
Synonyms: AI843742; BTEB4; DRRF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC212304 representing NM_078477
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCGGCCGTGGCGTGTGGATTACTTTGCCGCCGACGTGCTCATGGCCATCTCCTCGGGAGCCG
 TGGTGCATCGCGGACGACCCGGCCCCGAGGGCGCGGGCCCCGCTGCCGGTCTGGATGTGCGCGCCACGCG
 CCGCGAGGCCACGCCCGGGGACCCCTGGGGCACGCCACGCCAGCTACGGCTCCGGGGCCGGGAGGC
 GCCACCGCTGCGCCCCACCTGCTGGCCGCCAGCATCCTGGCCGATCTGAGAGGCGGGCCGGTAGTCGCCA
 CCGCAGCCAGCACCGGGGGGACCTCTCCGGTCTCCTCCTCCTCAGCCGCTTCGTCTCCCTCTTCGGG
 CCGCGCCCCGGCGCCGCAAAAAGCCACCCTGTCCCTTCCATGGCTGCGCCAAAAGCCTATTACAAGTCT
 TCGCACCTCAAGTCACACCTGCGGACTCACACAGGTGAGCGGCCCTTTGCCTGCGACTGGCTGGCTGTG
 ACAAGAAGTTCGCCCGTTCTGATGAGCTGGCCGCCACCACCGGACGCACACCGGGGAGAAGCGCTTCCC
 CTGCCCTGTGTACCAAGCGTTACCCGAAGCGACCACCTGACCAAGCACGCCCGGCGACATCCCGGC
 TTCCGCCCGGAATCCTGCGACGACCTGGTGCCCGCAGCGTCTCGCCAGCGACTCGCTGCCCTGCAGCT
 TGGCTGGAAGCCCCACACCTAGCCCTGTCCCAGCCAGCTCCTGCTGGCTT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_078477
Insert Size: 756 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:	NM_078477.2 , NP_510962.2
RefSeq Size:	2652 bp
RefSeq ORF:	756 bp
Locus ID:	118445
UniProt ID:	P58334
Cytogenetics:	10 C1
Gene Summary:	Transcription factor that binds GC and GT boxes in the D1A, D2 and D3 dopamine receptor promoters and displaces Sp1 and Sp3 from these sequences. It modulates dopaminergic transmission in the brain by repressing or activating transcription from several different promoters depending on cellular context.[UniProtKB/Swiss-Prot Function]