

Product datasheet for MC208821

Klf12 (NM_010636) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Klf12
Synonyms:	2700063E05Rik; AI225908; AI315654; AP-2rep; B130052C06Rik; D530033K05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208821 representing NM_010636 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATATCCATATGAAGAGGAAAACCATAAAGAATCTCAGCGCCCTTGAGAACAGAATGCTAATGCTTG
ATGGAATGCCGGCAGTCAGAGTCAAAACCGAGCTTGTGGAATCTGAACAAGGGTCTCCAAACGTCCACAA
CTACCCCGATATGGAAGCTGTCCCCTCTTGCTAAATAATGTGAAAGGGGAGCCCCAGAGGACTCACTG
CCTGTAGATCACTTTCAGACAAAACTGAGCCAGTGGACTTGTCAATCAACAAAGCCAGGACCTCCCCTA
CTGCAGCGTCATCCTCCCCTGTCTCCATGACAGCGTCCGCTCCTCACCTTCTTCAACTTCAACCTCTTC
ATCCTCTTCTAGTCGTCAGCCTCATCCCCCACTGTTATAACATCAGTATCTTCAGCATCGTCTTCGTCA
ACAGTGTATCTCCAGGACCCCTTGTTCCTCTGCATCTGGCGTGGGCGGCCAGCAGTTCTTGCACATCA
TCCATCCGGTCCCACCTTCCAGTCCCATGAACTTACAGTCTAACAACTCAGTCATGTTTCATCGAATCCC
TGTGGTGGTACAGTCAGTGCCGGTTGTCTACACAGCTGTACGGTCACCTGGAAATGTGAACAACACTATT
GTTGTACCGCTCCTGGAGGATGGGAGGAGCCATGGCAAAGCACAATGGAGCCCCGAGGCCCTATCTCCCA
GACAGAGTAAAAGTGACAGTGACGATGATGACCTGCCAAATGTGACCTTAGATAGCGTTAATGAACTGG
ATCCACGGCCCTTTCATAGCCAGAGCAGTACAAGAGGTACATCCATCCCCGGTATCCAGGGTCCGAGGA
AATCGAATGAATAACCAGAAGTTTGCTTGTCAATCTCACCATTAGCATTGAGAGCACAAGACGCCGAGA
GACGATCAGAATCCCAGACTCCAGGAAACGGCGCATCCACAGATGTGACTTCAAGGGTGAACAAAGT
CTATACAAAAGTTCTCACCTGAAGGCACACCGGAGACACACAGGAGAGAAGCCCTACAAATGCACG
TGGGAAGGCTGCACCTGGAAGTTTGCCGTTTTCAGATGAAGTACCAGACACTACCGCAAACACACGGGAG
TGAAGCCATTCAAGTGCGCGGACTGTACCGCAGCTTCTCGAGGTGAGACACCTGGCACTGCACCGTAG
GAGGCACATGCTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Chromatograms:	https://cdn.origene.com/chromatograms/ja1955_h12.zip
Restriction Sites:	Sgfl-MluI
ACCN:	NM_010636
Insert Size:	1209 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC067408 , AAH67408
RefSeq Size:	5742 bp
RefSeq ORF:	1209 bp
Locus ID:	16597
UniProt ID:	Q35738
Cytogenetics:	14 50.9 cM

Gene Summary:

Confers strong transcriptional repression to the AP-2-alpha gene. Binds to a regulatory element (A32) in the AP-2-alpha gene promoter.[UniProtKB/Swiss-Prot Function]