

## Product datasheet for **MG206304**

### Klf12 (NM\_010636) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Klf12 (NM_010636) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klf12
Synonyms:	2700063E05Rik; AI225908; AI315654; AP-2rep; B130052C06Rik; D530033K05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206304 representing NM_010636 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATATCCATATGAAGAGGAAAACCATAAAGAATCTCAGCGCCCTTGAGAACAGAATGCTAATGCTTG  
ATGGAATGCCGGCAGTCAGAGTCAAACCGAGCTTGTGGAATCTGAACAAGGGTCTCAAACGTCCACAA  
CTACCCGATATGGAAGCTGTCCCCTCTTGCTAAATAATGTGAAAGGGGAGCCCCAGAGGACTCACTG  
CCTGTAGATCACTTTAGACACAACTGAGCCAGTGGACTTGCAATCAACAAAGCCAGGACCTCCCCTA  
CTGCAGCGTCATCTCCCCTGTCTCCATGACAGCGTCCGCCTCCTCACCTTCTTCAACTCAACCTTTC  
ATCCTCTTCTAGTCGTCCAGCCTCATCCCCACTGTTATAACATCAGTATCTTCAGCATCGTCTTCGTCA  
ACAGTGTATCTCCAGGACCCCTTGTGGCTCTGCATCTGGCGTGGGCGGCCAGCAGTTCCTGCACATCA  
TCCATCCGGTCCCACCTTCCAGTCCCATGAACTTACAGTCTAACAACTCAGTCAATGTTTCGAATCCC  
TGTGGTGTACAGTCAGTCCCGTTGTCTACACAGCTGTACGGTACCTGGAAATGTGAACAACACTATT  
GTTGTACCGTCTTCCATAGCCAGAGCAGTACAAGAGGTACATCCATCCCCGGTATCCAGGGTCCGAGGA  
GACAGAGTAAAAGTGACAGTGACGATGATGACCTGCCAAATGTGACCTTAGATAGCGTTAATGAACTGG  
AATCCACGGCCCTTCCATAGCCAGAGCAGTACAAGAGGTACATCCATCCCCGGTATCCAGGGTCCGAGGA  
AATCGAATGAATAACCAGAAGTTTGCTTGTCAATCTCACCATTAGCATTGAGAGCACAAGACGCCAGA  
GACGATCAGAATCCCAGACTCCAGGAAACGGCGCATCCACAGATGTGACTTGAAGGGTGAACAAAGT  
CTATACAAAAAGTTCTCACCTGAAGGCACACCGGAGAACACACAGGAGAGAAGCCCTACAAATGCACG  
TGGGAAGGCTGCACCTGGAAGTTTGCCCGTTGAGATGAACTGACCAGACTACCACAAACACACGGGAG  
TGAAGCCATTCAAGTGCAGGACTGTGACCGCAGCTTCTCGAGGTGAGACCACCTGGCACTGCACCGTAG  
GAGGCACATGCTGGTG

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206304 representing NM\_010636  
 Red=Cloning site Green=Tags(s)

MNIHMKRRTIKNLSALENRMLMLDGMPAVRVKTELVESEQSPNVHNYPDMEAVPLLLNNVKGEPPEDSL  
 PVDHFQTQTEPVDLSINKARTSPTAASSSPVSMASASSPSSTSTSSSSSRPASSPTVITSVSSASSSS  
 TVLSPGPLVASASGVGGQQLHIHPVPPSSPMNLQSNKLSHVHRIPVVVQSVVYTAVRSPGNVNNTI  
 VVPLLEDGRSHGKAQMEPRGLSPRQSKSDSDDDLPNVTLDVNETGSTALSIARAVQEVHPSPVSRVRG  
 NRMNNQKFACSI SPFSIESTRRQRRESESPDSRKRRIHRCDFEGCNKVYTKSSHLLKAHRRHTHTGEKPYKCT  
 WEGCTWKFARSDDELTRHYRKHTGVKPFKACDCRSFSRSDHLALHRRRHMLV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010636

**ORF Size:** 1206 bp

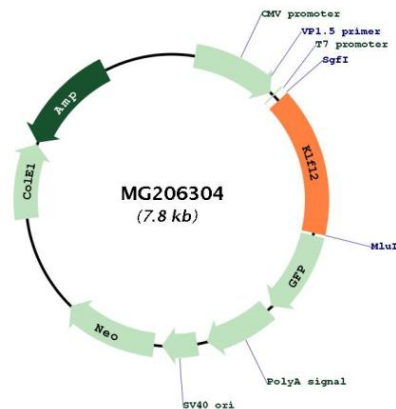
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](mailto: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](#)

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

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010636.3</a> , <a href="#">NP_034766.2</a>
<b>RefSeq Size:</b>	5742 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	16597
<b>UniProt ID:</b>	<a href="#">O35738</a>
<b>Cytogenetics:</b>	14 50.9 cM
<b>Gene Summary:</b>	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]

### Product images:



Circular map for MG206304