

Product datasheet for **MG206548**

Klf15 (NM_023184) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klf15 (NM_023184) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klf15
Synonyms:	1810013I09Rik; AV048136; AW494632; CKLF; KKLf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206548 representing NM_023184 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGACCACCTGCTTCCAGTGGACGAGACCTTCTCGTCACCGAAATGCTCAGTGGGTTACCTAGGGG
ACAGGCTGGCCAGCCGGCAGCCATACCACATGTTGCCCTCGCCATCTCGGAGGATGACAGCGATGTCTC
CAGCCCCTGCTCTGTGCCAGCCCTGACTCGAAGCCTTCTGTTCTGCTACAGTGGGGTCCAGGCCCT
GAGGCCAGGGCAGCATCTTGGATTTCTCCTGTCCCGGCCACACTGGGCAGTGGTGGTGGCAGTGGAG
GTATTGGAGATAGCAGTGGCCCTGTGACCTGGGATCATGGAGGAGAGCCTCTGTGCCTGTGAAGGAGGA
ACATTTCTGCTTCCCTGAATTTCTGTGACGGGACACTGATGACGTCTCCAGGCCCTCCAGCCTACCTG
GAGGAGATTGAAGAATTCCTGGAAGAGAACATGGAGGCTGAGGTCAAGGAGGCCCCAGAGAACGGTAGCA
GGGACCTGGAGACCTGTAGCCAGCTCTCAGCTGGGTACACCCGGAGCCACCTTACCCAGAGTCTGCTGG
GAGAGAGCGCTGTACCCACCACAGGTGGCAGAGTGGGGTGGTGCCTAAAGTGCAGGTGAGGGGCCA
GCACATGATGGCCCGTGCCTGCTACTGCAGATCCAGCCTGTTGCTGTGAAGCAGGAGGCAGGTACAG
GGCCAGCCTCCCGAGGGCAGGCCCCAGAGAGCGTCAAGGTCGCCAGCTTCTAGTCAACATCCAGGGGCA
GACCTTTGCACTCCTGCCTCAAGTGGTACCATCTCAACTGAACCTGCCCTCAAAGTTTGTGCGAATT
GCGCCTGTGCCATTGCCGCCAAACCTATTGGCTCAGGATCCCTAGGGCCCGGCCCTGTGGCCTCCTTG
TGGCCAGAAGTTTCCCAAGAACCAGCAGCAGAATTCTCAAAATGCACAAATGCACTTTCCAGGCTG
CAGCAAGATGTACACCAAGAGCAGCCACCTCAAGGCCACCTGCGTCGGCACACAGGCGAGAAGCCCTTT
GCCTGCACCTGGCCAGGCTGCGGCTGGAGGTTTTCCCGCTCAGATGAGTTGTCAAGGCACCGGCATCTC
ACTCGGGTGTGAAGCCGTACCAGTGTCCCGTGTGCGAGAAGAAATTCGCGCGGAGTGACCACCTCTCAA
ACACATCAAAGTGCATCGCTTCCACGAAGCAGCCGCGCAGTACGCGCCATCAAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206548 representing NM_023184
Red=Cloning site Green=Tags(s)

MVDHLLPVDETFSSPKCSVGYLGDRLASRQPYHMLPSPISEDSDVSSPCSCASPDSQAFCSYCSAGPGP
 EAQGSILDVLLSRATLGGGGGGIGDSSGPVTWGSWRRASVPVKEEHFCPEFLSGDTPDDVSRPFQPTL
 EEIEEFLEENMEAEVKEAPENGRDLETCSQLSAGSHRSHLHPESAGRERCTPPPGGTSGGGAQSAGEGP
 AHDGPVPVLLQIQPVAVKQEAGTGPASPGQAPESVKVAQLLVNIQGQTFALLPQVVPSSNLNLPKSFVRI
 APVPIAAKPIGSGSLGPGPAGLLVGQKFPKNPAEALLKMHKCTFPGCSKMYTKSSHLKAHLRRHTGEKPF
 ACTWPGCGWRFSSDEL SRHRRSHSGVKPYQCPVCEKKF ARSDHLSKHIKVHRFPSSRAVRRAIN

TRTRPLE - GFP Tag - V

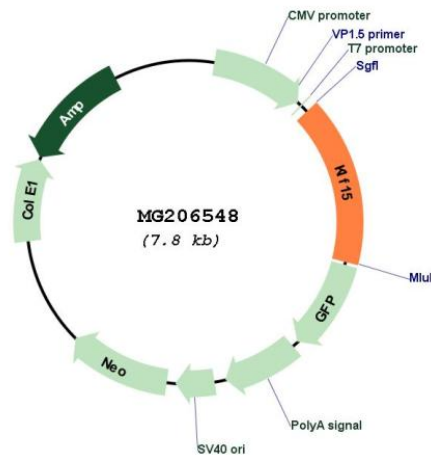
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_023184

ORF Size:	1245 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:	<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_023184.4
RefSeq Size:	2294 bp
RefSeq ORF:	1248 bp
Locus ID:	66277
UniProt ID:	Q9EPW2
Cytogenetics:	6 D1
Gene Summary:	Transcriptional regulator that binds to the GA element of the CLCNKA promoter (By similarity). Binds to the KCNIP2 promoter and regulates KCNIP2 circadian expression in the heart. Is a repressor of CCN2 expression, involved in the control of cardiac fibrosis. Is also involved in the control of cardiac hypertrophy acting through the inhibition of MEF2A, GATA4 and MYOCD activity. Is a negative regulator of TP53 acetylation. Inhibits NF-kappa-B activation through repression of EP300-dependent RELA acetylation (By similarity). Involved in podocyte differentiation.[UniProtKB/Swiss-Prot Function]