

Product datasheet for **MR206548**

Klf15 (NM_023184) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klf15 (NM_023184) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klf15
Synonyms:	1810013I09Rik; AV048136; AW494632; CKLF; KKLf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206548 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTGGACCACCTGCTCCAGTGGACGAGACCTTCTCGTCACCGAAATGCTCAGTGGGTTACCTAGGGG
ACAGGCTGGCCAGCCGGCAGCCATACCACATGTTGCCCTCGCCATCTCGGAGGATGACAGCGATGTCTC
CAGCCCCTGCTCTGTGCCAGCCCTGACTCGAAGCCTTCTGTTCTGCTACAGTGGGGTCCAGGCCCT
GAGGCCAGGGCAGCATCTTGGATTTCTCCTGTCCCGGCCACACTGGGCAGTGGTGGTGGCAGTGGAG
GTATTGGAGATAGCAGTGGCCCTGTGACCTGGGATCATGGAGGAGAGCCTCTGTGCCTGTGAAGGAGGA
ACATTTCTGCTTCCCTGAATTTCTGTGACGGGACACTGATGACGTCTCCAGGCCCTCCAGCCTACCTG
GAGGAGATTGAAGAATTCCTGGAAGAGAACATGGAGGCTGAGGTCAAGGAGGCCCCAGAGAACGGTAGCA
GGGACCTGGAGACCTGTAGCCAGCTCTCAGCTGGGTACACCCGGAGCCACCTTACCCAGAGTCTGCTGG
GAGAGAGCGCTGTACCCACCACAGGTGGCAGAGTGGGGTGGTGCCCAAAGTGCAGGTGAGGGGCCA
GCACATGATGGCCCGTGCCTGCTACTGCAGATCCAGCCTGTTGCTGTGAAGCAGGAGGCAGGTACAG
GGCCAGCCTCCCCAGGGCAGGCCCCAGAGAGCGTCAAGGTCGCCAGCTTCTAGTCAACATCCAGGGGCA
GACCTTTGCACTCCTGCCTCAAGTGGTACCATCCTCAACTTGAACCTGCCCTCAAAGTTTGTGCGAATT
GCGCCTGTGCCATTGCCGCCAAACCTATTGGCTCAGGATCCCTAGGGCCCGGCCCTGTGGCCTCCTTG
TGGCCAGAAGTTTCCCAAGAACCAGCAGCAGAAGTCTCAAAATGCACAAATGCACTTTCCAGGCTG
CAGCAAGATGTACACCAAGAGCAGCCACCTCAAGGCCACCTGCGTCGGCACACAGGCGAGAAGCCCTTT
GCCTGCACCTGGCCAGGCTGCGGCTGGAGGTTTTCCCGCTCAGATGAGTTGTCAAGGCACCGGCATCTC
ACTCGGGTGTGAAGCCGTACCAGTGTCCCGTGTGCGAGAAGAAATTCGCGCGGAGTGACCACCTCTCAA
ACACATCAAAGTGCATCGCTTCCACGAAGCAGCCGCGCAGTACGCGCCATCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206548 protein sequence
Red=Cloning site Green=Tags(s)

MVDHLLPVDETFSSPKCSVGYLGDRLASRQPYHMLPSPISEDSDVSSPSCASCSPDSQAFCSYCSAGPGP
 EAQGSILDFFLLSRATLGSGGGGGIGDSSGPVWGSWRRASVPVKEEHFCPEFLSGDTPDDVSRPFQPTL
 EEIEEFLEENMEAEVKEAPENGRDLETCSQLSAGSHRSHLHPESAGRERCTPPPGTSGGGAQSAGEGP
 AHDGPPVLLQIQPVAVKQEAGTGPASPGQAPESVKVAQLLVNIQGQTFALLPQVVPSSNLNLPKSFVRI
 APVPVIAAKPIGSGSLGPGFAGLLVGQKFPKNPAAELLKMHKCTFPGCSKMYTKSSHLLKAHLRRHTGEKPF
 ACTWPGCGWRFSSRDEL SRHRRSHSGVKPYQCPVCEKKFARS DHLSKH IKVHRFP RSRRAVRAIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023184

ORF Size: 1248 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_023184.4](#)

RefSeq Size: 2294 bp

RefSeq ORF: 1248 bp

Locus ID: 66277

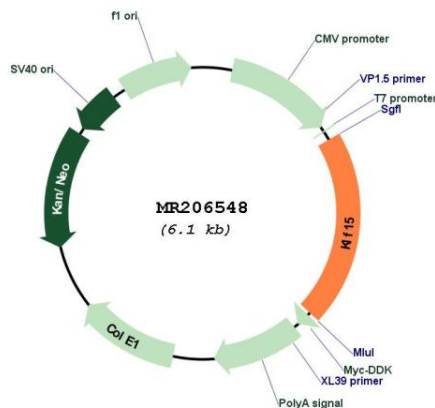
UniProt ID: [Q9EPW2](#)

Cytogenetics: 6 D1

MW: 44.3 kDa

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]

Product images:



Circular map for MR206548