

Product datasheet for **RG207523**

KLF15 (NM_014079) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF15 (NM_014079) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLF15
Synonyms:	KKLF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207523 representing NM_014079 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGACCACTTACTTCCAGTGGACGAGAAGTCTCGTCGCCAAAATGCCAGTTGGGTATCTGGGTG
ATAGGCTGGTTGGCCGGCGGCATATCACATGCTGCCCTACCCGCTCTGAAGATGACAGCGATGCCTC
CAGCCCCTGCTCCTGTTCCAGTCCGACTCTCAAGCCCTGCTCCTGCTATGGTGGAGGCTGGGCACC
GAGAGCCAGGACAGCATCTTGGACTTCTATTGTCCAGGCCACGCTGGCAGTGGCGGGGCGAGCGGCA
GTAGCATTGGGGCCAGCAGTGGCCCCGTGGCCCTGGGGCCCTGGCGAAGGGCAGCGGCCCTGTGAAGGG
GGAGCATTCTGCTTGCCCGAGTTTCCTTTGGGTGATCCTGATGACGTCCACGGCCCTCCAGCCTACC
CTGGAGGAGATTGAAGAGTTTCTGGAGGAGAACATGGAGCCTGGAGTCAAGGAGTCCCTGAGGGCAACA
GCAAGGACTTGGATGCCTGCAGCCAGCTCTCAGCTGGGCCACACAAGAGCCACCTCCATCCTGGTCCAG
CGGAGAGAGCGCTGTTCCCTCCACCAGGTGGTCCAGTGCAGGAGGTGCCAGGGCCAGGTGGGGGC
CCCACGCTGATGGCCCCATCCCAGTGTGCTGCAGATCCAGCCCGTGCCTGTGAAGCAGGAATCGGGCA
CAGGGCCTGCCTCCCCTGGGCAAGCCCCAGAGAATGTCAAGGTTGCCAGCTCCTGGTCAACATCCAGGG
GCAGACCTCGCACTCGTCCCCAGGTGGTACCCTCCTCAACTTGAACCTGCCCTCAAAGTTTGTGCGC
ATTGCCCTGTGCCATTGCCGCAAGCCTGTTGGATCGGGACCCCTGGGCTGGCCCTGCCGCTCTCC
TCATGGGCCAGAAGTTCCTCAAGAACCAGCCGAGAACTCATAAAATGCACAAATGTACTTTCCCTGG
CTGCAGCAAGATGTACACAAAAGCAGCCACCTCAAGGCCACCTGCGCCGGCACACGGGTGAGAAGCCC
TTCGCTGCACCTGGCCAGGCTGCGGCTGGAGTTCTCGCGCTCTGACGAGCTGTGCGGCGACAGGCGCT
CGCACTCAGGTGTGAAGCCGTACCAGTGTCTGTGCGGAGAAGAAGTTCGCGGGAGCGACACCTCTC
CAAGCACATCAAGGTGCACCGCTTCCCGCGGAGCAGCCGCTCCGTGCGCTCCGTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG207523 representing NM_014079
Red=Cloning site Green=Tags(s)

MVDHLLPVDEFSSPKCPVGYLGDRLVGRRAYHMLPSPVSEDDSDASSPCSCSSPDSQALCSCYGGGLGT
 ESQDSILDFLLSQATLGGGGSSIGASSGPVAVGWRRRAAPVKGEHFCLPEFPLGDPDDVPRPFQPT
 LEEIEEFLEENMEPGVKEVPEGNSKDLDACSQLSAGPHKSHLHPGSSGRERCSPPPGGASAGGAQGPGGG
 PTPDGPPIPVLLQIQPVVKQESGTGPASPGQAPENVKVAQLLVNIQGQTFALVPQVVPSSNLLNLPKSFVR
 IAPVPIAAKPVGSGPLGPGPAGLLMGQKFPKNPAAELIKMHKCTFPGCSKMYTKSSHLKAHLRRHTGEKP
 FACTWPGCGWRF SRSDLSRHRSSHSGVKPYQCPVCEKKFARSDHLSKHIVHRFPRSSRSVRSVN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014079

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_014079.4](#)

RefSeq Size: 2543 bp

RefSeq ORF: 1251 bp

Locus ID: 28999

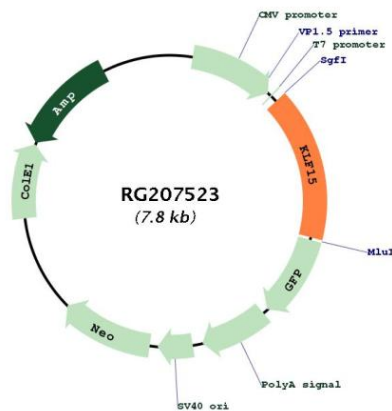
UniProt ID: [Q9UIH9](#)

Cytogenetics: 3q21.3

Protein Families: Transcription Factors

Gene Summary: Transcriptional regulator that binds to the GA element of the CLCNKA promoter. Binds to the KCNIP2 promoter and regulates KCNIP2 circadian expression in the heart (By similarity). Is a repressor of CCN2 expression, involved in the control of cardiac fibrosis. It is also involved in the control of cardiac hypertrophy acting through the inhibition of MEF2A and GATA4 (By similarity). Involved in podocyte differentiation (By similarity). Inhibits MYOCD activity. Is a negative regulator of TP53 acetylation. Inhibits NF-kappa-B activation through repression of EP300-dependent RELA acetylation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207523