

Product datasheet for **RG206691**

KLF4 (NM_004235) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF4 (NM_004235) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLF4
Synonyms:	EZF; GKLF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG206691 representing NM_004235
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGCAGCCACCTGGCGAGTCTGACATGGCTGTGACGACGCGCTGCTCCCATCTTTCTCCACGTTCCG
 CGTCTGGCCCGCGGGAAGGGAGAAGACTGCGTCAAGCAGGTGCCCGAATAACCGCTGGCGGGAGGA
 GCTCTCCACATGAAGCGACTTCCCCAGTGCTTCCCGGCCGCCCTATGACCTGGCGGGCGACCGTG
 GCCACAGACCTGGAGAGCGGCGGAGCCGGTGGCGCTTGGCGCGTAGCAACCTGGCGCCCTACCTCGGA
 GAGAGACCGAGGAGTTCAACGATCTCCTGGACCTGGACTTTATTCTTCCAATTCGCTGACCCATCTCC
 GGAGTCAGTGGCCGCCACCGTGTCTCGTCAGCGTCAGCCTCCTTTCGTCGCGCCGTCGAGCAGCGGC
 CCTGCCAGCGGCCCTCCACCTGCAGCTTACCTATCCGATCCGGGCCGGGAACGCCGGGCGTGGCGC
 CGGGCGGCACGGGCGGAGGCTCCTCTATGGCAGGGAGTCCGCTCCCCCTCCGACGGCTCCCTTCAACCT
 GCGCGACATCAACGACGTGAGCCCTCGGGCGGCTTCGTGGCCGAGCTCCTGCGGCCAGAATTGGACCCG
 GTGTACATTCCGCCGACGAGCCGAGCCGACCGAGGTGGCGGGCTGATGGGCAAGTTCGTGCTGAAGGCGT
 CGCTGAGCGCCCTGGCAGCGAGTACGGCAGCCCGTCCGTCATCAGCGTCAGCAAAGGCAGCCCTGACGG
 CAGCCACCCGGTGGTGGTGGCGCCCTAACCGCGGGCCGCCGCGCAGCTGCCCAAGATCAAGCAGGAG
 GCGGTCTCTTCGTGCACCCACTTGGGCGCTGGACCCCTCTCAGCAATGGCCACCGCGCGCTGCACACG
 ACTTCCCCTGGGGCGGAGCTCCCCAGGAGTACCCCGACCTGGGTCTTGAGGAAGTGTGAGCAG
 CAGGGACTGTACCCTGCCCTGCCGTTCTCCCGGCTCCATCCCCACCGGGGCCAATTACCCATCC
 TTCCTGCCGATCAGATGCAGCCGAAGTCCCAGGCTCCATTACCAAGAGCTCATGCCACCCGGTTCCT
 GCATGCCAGAGGAGCCAAAGCCAAAGAGGGGAAGACGATCGTGGCCCCGAAAAGGACCCACCCACAC
 TTGTGATTACGCGGCTGCGGCAAAACCTACACAAAGAGTCCCATCTCAAGGCACACCTGCGAACCAC
 ACAGGTGAGAAACCTTACCACTGTGACTGGGACGGCTGTGGATGAAAATTCGCCCCTCAGATGAACTGA
 CCAGGCACTACCGTAAACACACGGGGCACCGCCGTTCCAGTGCCAAAAATGCGACCGAGCATTTCCAG
 GTCGGACCACCTCGCCTTACACATGAAGAGGCATTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206691 representing NM_004235
 Red=Cloning site Green=Tags(s)

MRQPPGESDMAVSDALLPSFSTFASGPAGREKTLRQAGAPNNRWREELSHMKRLPPVLPGRPYDLAAATV
 ATDLESGGAGAACGGSNLAPLPRRETEEFNDLLDFILSNLTHPPESVAATVSSASASSSSPSSSG
 PASAPSTCSFTYPIRAGNDPGVAPGGTGGGLLYGRESAPPPTAPFNLADINDVSPSGGFVAELLRPELDP
 VYIPPPQPPPPGGGLMGKFLKASLSAPGSEYGSVSVSVKSGSPDGSHPVVVPYNGGPPRTCPKIKQE
 AVSSCTHLGAGPPLSNHRPAAHDFPLGRQLPSRTTPTLGLLEVLSSRDCHPALPLPPGFHPHPGNYP
 FLPDQMPPVPLHYQELMPPGSCMPEEPKPKRGRRSWPRKRTATHTCDYAGCGKTYTKSSHLKAHLRTH
 TGEKPYHCDWDGCGWKFARSDDELTRHYRKHTGHRPFQCQKCDRAF SRSDHLALHMKRHF

TRTRPLE – GFP Tag – V

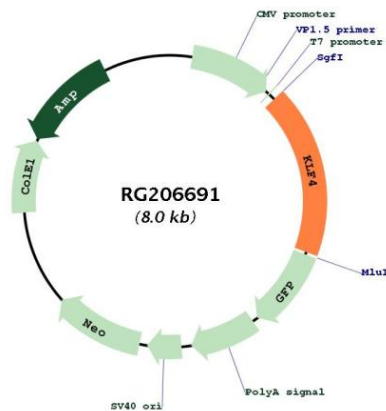
Restriction Sites:

SgfI-MluI

RefSeq: [NM_004235.6](#)
RefSeq Size: 2949 bp
RefSeq ORF: 1440 bp
Locus ID: 9314
UniProt ID: [O43474](#)
Cytogenetics: 9q31.2
Domains: zf-C2H2
Protein Families: Adult stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Gene Summary: This gene encodes a protein that belongs to the Kruppel family of transcription factors. The encoded zinc finger protein is required for normal development of the barrier function of skin. The encoded protein is thought to control the G1-to-S transition of the cell cycle following DNA damage by mediating the tumor suppressor gene p53. Mice lacking this gene have a normal appearance but lose weight rapidly, and die shortly after birth due to fluid evaporation resulting from compromised epidermal barrier function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Product images:



Circular map for RG206691