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Product datasheet for RG210147

KLF9 (NM_001206) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF9 (NM_001206) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLF9
Synonyms:	BTEB; BTEB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG210147 representing NM_001206
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCGCGGCCGCCTACATGGACTTCGTGGCTGCCCAGTGTCTGGTTTCCATTTCGAACCGCGCTGCGG
TGCCGGAGCATGGGGTCGCTCCGGACGCCGAGCGGCTGCGACTACCTGAGCGCGAGGTGACCAAGGAGCA
CGGTGACCCGGGGGACACCTGGAAGGATTACTGCACACTGGTCACCATCGCCAAGAGCTTGTTGGACCTG
AACAAGTACCGACCCATCCAGACCCCCTCCGTGTGCAGCGACAGTCTGGAAAGTCCAGATGAGGATATGG
GATCCGACAGCGACGTGACCACCGAATCTGGGTCGAGTCCTTCCCACAGCCCGGAGGAGAGACAGGATCC
TGGCAGCGCGCCCAGCCCGCTCTCCCTCCTCCATCCTGGAGTGGCTGCGAAGGGGAAACACGCCTCCGAA
AAGAGGCACAAGTGCCCCTACAGTGGCTGTGGGAAAGTCTATGGAAAATCCTCCCATCTCAAAGCCCATT
ACAGAGTGCATACAGGTGAACGGCCCTTTCCCTGCACGTGGCCAGACTGCCTTAAAAAGTTCTCCCGCTC
AGACGAGCTGACCCGCCACTACCGGACCCACACTGGGGAAAAGCAGTTCCGCTGTCCGCTGTGTGAGAAG
CGCTTCATGAGGAGTGACCACCTCACAAAGCACGCCCGGCGGCACACCGAGTTCCACCCCAGCATGATCA
AGCGATCGAAAAAGGCGCTGGCCAACGCTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

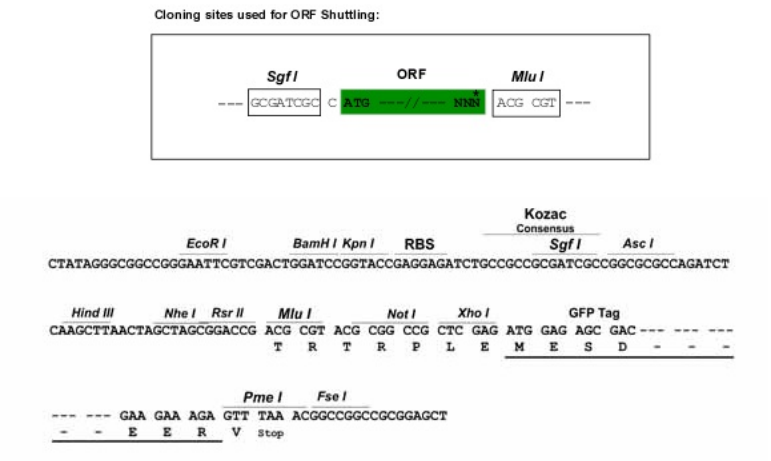
>RG210147 representing NM_001206
Red=Cloning site Green=Tags(s)

MSAAAYMDFVAAQCLVSISNRAAVPEHGVAPDAERLRLPEREVTKEHGDPGDTWKDYCTLVTIAKSLLDL
NKYRPIQTPSVCSDSLESPDEDMGSDSDVTTESGSSPSHSPEERQDPGSAPSPLSLLHPGVAAKGKHASE
KRHKCPYSGCGKVYGKSSHLKAHYRVHTGERPFPCTWPDCLKKFSRSDELTRHYRTHTGEKQFRCPLCEK
RFMRSDHLTKHARRHTEFHPSMIKRSKKALANAL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001206

ORF Size: 732 bp

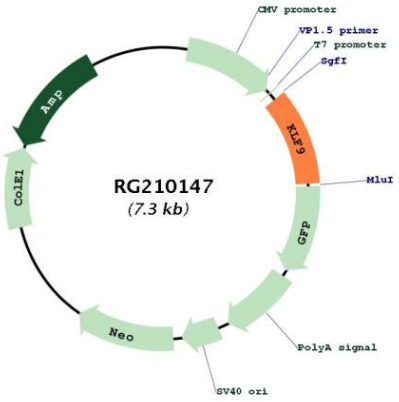
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA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

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_001206.2, NP_001197.1
RefSeq Size:	5208 bp
RefSeq ORF:	735 bp
Locus ID:	687
UniProt ID:	Q13886
Cytogenetics:	9q21.12
Gene Summary:	The protein encoded by this gene is a transcription factor that binds to GC box elements located in the promoter. Binding of the encoded protein to a single GC box inhibits mRNA expression while binding to tandemly repeated GC box elements activates transcription. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210147