

Product datasheet for **SC323869**

KLF1 (NM_006563) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF1 (NM_006563) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF1
Synonyms:	EKLF; EKLF/KLF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_006563.2
 CTTGAGGCCAGGGTGGGCACCAGCCAGCCATGGCCACAGCCGAGACCGCCTTGCCCTCC
 ATCAGCACACTGACCGCCCTGGGCCCTTCCCGGACACACAGGATGACTTCTCAAGTGG
 TGGCGCTCCGAAGAGGCGCAGGACATGGGCCCGGGTCTCTGACCCACGGAGCCGCC
 CTCCACGTGAAGTCTGAGGACCAGCCCGGGGAGGAAGAGGACGATGAGAGGGGCGCGGAC
 GCCACCTGGGACCTGGATCTCTCTCACCAACTTCTCGGGCCCGGAGCCCGGTGGCGGC
 CCCCAGACCTGCGCTCTGGCGCCAGCGAGGCCCGGGGCGCAATATCCGCCCGGCC
 GAGACTCTGGGCGCATATGCTGGCGGCCGGGGCTGGTGGCTGGGCTTTTGGGTTTCGGAG
 GATCACTCGGGTTGGGTGCGCCCTGCCCTGCGAGCCCGGGCTCCCGACGCCTTCGTGGGC
 CCAGCCCTGGCTCCAGCCCCGGCCCCGAGCCCAAGGCGCTGGCGCTGCAACCGGTGATC
 CCGGGGCCGGCGCCGGCTCCTCGGGTGGCTACTTCCCGCGGACCGGGCTTTCAGTGCCT
 GCGGCGTGGGCGCCCCCTACGGGCTACTGTCCGGGTACCCCGCGATGTACCCGGCGCCT
 CAGTACCAAGGGCACTTCCAGCTCTTCCGCGGGTCCAGGGACCCGCGCCCGTCCCGCC
 ACGTCCCCCTCTTCTGAGTTGTTGGGACCCGGGACGGTGGGCACTGGACTCGGGGGG
 ACTGCAGAGGATCCAGGTGTGATAGCCGAGACCGGCCATCCAAGCGAGGCCGACGTTCCG
 TGGGCGCGCAAGAGGCAGGCAGCGCACAGTGCAGCGACCCGGGTGCGGCAAGAGCTAC
 ACCAAGAGCTCCACCTGAAGGCGCATCTGCGCACGCACACAGGGGAGAAGCCATACGCC
 TGCACGTGGGAAGGCTGCGGCTGGAGATTGCGCGCTCGGACGAGCTGACCCGCCACTAC
 CGGAAACACACGGGGCAGCGCCCTTCCGCTGCCAGCTTGCCACGTTGTTTTGCGGC
 TCTGACCACCTGGCCTTGACATGAAGCGCCACCTTTGAGCCCTGCCCTGGCACTGGAC
 TCTCTAGTGACTGGGGATGGGACAAGAAGCCTGTTTGGTGGTCTTTCACACGGACCGG
 CGTGACACAATGCTGGGTGGTTTTCCACGAATGGACCCTCTCTGGACTCGCGTTCCCA
 AAGATCCACCCAAATATCAAACACGGACCCATAGACAGCCCTGGGGGAGCCTCTTACGGA
 AAATCCGACAAGCCTTACGCCACAGGGAGCCACACAGAGATGTCCAAACTGTCGTGCAAA
 CCCAGTGAGACAGACCGCAAATAAACGGAAGTCAAGTGGACTCAGACCAGCTCCAGAT
 GGCCCTGGACAGCAGGAGAGGGTGTGGGATGAGGCTTCCAGAGACCCTGGGTCTAGAAA
 GCGGCTCTGAAGGTCCCTTATTGTGGCTGATATTAAGTCAATGGTTATGGGTCTAT
 AAAAAATGCCCTCCAGATAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_006563

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_006563.2</u> , <u>NP_006554.1</u>
RefSeq Size:	1618 bp
RefSeq ORF:	1089 bp
Locus ID:	10661
UniProt ID:	<u>Q13351</u>
Cytogenetics:	19p13.13
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a hematopoietic-specific transcription factor that induces high-level expression of adult beta-globin and other erythroid genes. The zinc-finger protein binds to the DNA sequence CCACACCCT found in the beta hemoglobin promoter. Heterozygous loss-of-function mutations in this gene result in the dominant In(Lu) blood phenotype. [provided by RefSeq, Oct 2009]