

Product datasheet for **SC319166**

KLF5 (NM_001730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF5 (NM_001730) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF5
Synonyms:	BTEB2; CKLF; IKLF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001730.3
 CGAGGTACGTGCGCTCGCGGTTCTCTCGCGGAGGTGCGCGGTGGCGGGAGCGGGCTCCGG
 AGAGCCTGAGAGCACGGTGGGGCGGGCGGGAGAAAGTGGCCGCCCGGAGGACGTTGGCG
 TTTACGTGTGGAAGAGCGGAAGAGTTTTGCTTTTCGTGCGCGCCTTCGAAAACCTGCCTGC
 CGCTGTCTGAGGAGTCCACCCGAAACCTCCCCTCCTCCGCCGGCAGCCCCGCGCTGAGCT
 CGCCCGACCAAGCCAGCGTGGGGGAGGTGGGAAGTGCGCCGACCCGCGCTGGAGCTGC
 CCCCCCGAGTGCCCATGGCTACAAGGGTGTGAGCATGAGCGCCCGCCTGGGACCCGTGC
 CCCAGCCGCCGGCGCCGAGGACGAGCCGGTGTTCGCGCAGCTCAAGCCGGTGTGGGCG
 CCGCGAATCCGGCCCGCAGCGCGCTCTTCCCGCGGAGGAGCTGAAGCACGCGCACC
 ACCGCCCGCAGGCGCAGCCCGCGCCCGCAGGCCCGCAGCCGCGCCAGCCGCCGCCA
 CCGGCCCGCGGTGCCTCCAGAGGACCTGGTCCAGACAAGATGTGAAATGGAGAAGTATC
 TGACACCTCAGCTTCTCCAGTTCCTATAATTCCAGAGCATAAAAAGTATAGACGAGACA
 GTGCCTCAGTCGTAGACCAGTTCCTCACTGACTGAAGGGTTACCTTACAGTATCAACA
 TGAACGTCTTCTCCCTGACATCACTCACCTGAGAAGTGGCTCTACAAATCCCAGAGAC
 CGTGCGTAACACACATCAAGACAGAACCCTGTTGCCATTTTCAGCCACCAGAGTGAACGA
 CTGCCCTCCTCCGGCCCGACCCAGGCCCTCCCTGAGTTCACCAGTATATTCAGCTCAC
 ACCAGACCGCAGCTCCAGAGGTGAACAATATTTTCATCAAAACAAGAACTTCTACACCAG
 ATCTTCATCTTTCTGTCCCTACCCAGCAGGGCCACCTGTACCAGCTACTGAATACACCGG
 ATCTAGATATGCCAGTTCACAAATCAGACAGCAGCAATGGACTCTTAATGTTTCTA
 TGTGAGTGCATGGCAGGCCTTAACACACACACCTCTGCTGTTCCGAGACTGCAGTGA
 AACAAATCCAGGGCATGCCCCCTTGACATACACAATGCCAAGTCAGTTTCTCCACAAC
 AGGCCACTTACTTTCCCGCTCACCACCAAGCTCAGAGCCTGGAAGTCCAGATAGACAAG
 CAGAGATGCTCCAGAATTTAACCCACCTCCATCCTATGCTGCTACAATGCTTCTAAAC
 TGGCAATTCACAATCCAATTTACCCACCACCCTGCCAGTTAACTCACAACATCCAAC
 CTGTGAGATACAATAGAAGGAGTAACCCGATTTGGAGAAACGACGCATCCACTACTGCG
 ATTACCCTGGTTGCACAAAAGTTTATACCAAGTCTTCTCATTTAAAAGCTCACCTGAGGA
 CTCACACTGGTAAAAGCCATACAAGTGTACCTGGGAAGGCTGCGACTGGAGGTTGCGCG
 GATCGGATGAGCTGACCCGCCACTACCGGAAGCACACAGGCGCCAAGCCCTTCCAGTGG
 GGGTGTGCAACCCGAGCTTCTCGCGCTCTGACCACCTGGCCCTGCATATGAAGAGGCACC
 AGAACTGAGCACTGCCCCGTGACCCGTCCAGGTCCCCTGGGCTCCCTCAAATGACAGA
 CCTAA

Restriction Sites: Please inquire

ACCN: NM_001730

Insert Size: 1700 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	NM_001730.3 , NP_001721.2
RefSeq Size:	3350 bp
RefSeq ORF:	1374 bp
Locus ID:	688
UniProt ID:	Q13887
Cytogenetics:	13q22.1
Domains:	zf-C2H2
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the Kruppel-like factor subfamily of zinc finger proteins. The encoded protein is a transcriptional activator that binds directly to a specific recognition motif in the promoters of target genes. This protein acts downstream of multiple different signaling pathways and is regulated by post-translational modification. It may participate in both promoting and suppressing cell proliferation. Expression of this gene may be changed in a variety of different cancers and in cardiovascular disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>