

Product datasheet for **SC301303**

KLF6 (NM_001008490) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KLF6 (NM_001008490) Human Untagged Clone
Tag: Tag Free
Symbol: KLF6
Synonyms: GBF, ZF9, BCD1, CPBP, PAC1, ST12, COPEB, DKFZp686N0199
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001008490 edited
 GAATTCGGCACGAGGCGCGCCTCGCCGCCCTCGCGACCGGGCTCCGTCCAACCCGG
 CCCGACATGGACGTGCTCCCATGTGCAGCATCTCCAGGAGCTCCAGATCGTGCACGAG
 ACCGGCTACTTCTCGGCGCTGCCGTCTCTGGAGGAGTACTGGCAACAGACCTGCCTAGAG
 CTGGAACGTTACCTCCAGAGCGAGCCCTGCTATGTTTCAGCCTCAGAAATCAAATTTGAC
 AGCCAGGAAGATCTGTGGACAAAATCATTCTGGCTCGGGAGAAAAAGGAGGAATCCGAA
 CTGAAGATATCTCCAGTCCCTCCAGAGGACACTCTCATCAGCCGAGCTTTTGTACAAC
 TTAGAGACCAACAGCCTGAACCTCAGATGTCAGCAGCGAATCCTCTGACAGCTCCGAGGAA
 CTTTCTCCCACGGCCAAGTTTACCTCCGACCCCATTTGGCGAAGTTTGGTCTGAGCTCGGGA
 AAATTGAGCTCCTCTGTACCTCCACGCCTCCATCTTCTCCGGAAGTCTGAGCAGGGAACCT
 TCTCAACTGTGGGTTGCGTGCCCGGGGAGCTGCCCTCGCCAGGGAAGGTGCGCAGCGGG
 ACTTTCGGGAAGCCAGGTGACAAGGAAATGGCGATGCCTCCCCGACGGCAGGAGGAGG
 GTGCACCGGTGCCACTTTAACGGCTGCAGGAAAGTTTACACAAAAGCTCCCACTTGAAA
 GCACACCAGCGGACGCACACAGGAGAAAAGCCTTACAGATGCTCATGGGAAGGGTGTGAG
 TGGCGTTTTGCAAGAAGTGATGAGTTAACCCAGGCACTTCCGAAAGCACACCGGGGCCAAG
 CCTTTTAAATGCTCCCACTGTGACAGGTGTTTTCCAGGTCTGACCACCTGGCCCTGCAC
 ATGAAGAGGCACCTCTGAGGGAGCAGAGAGGTGGATCCTGTAGGCTAAAAGGCTTCCAGG
 CTGAGAGCCGGCGTGAAGGAGGGATGCGTGTCCAGCCAAAGCATGCCGTTCTGCACC
 CTACCCAGTTGCCTCCAGGGCCTCCTTGAAGGTCTTTTGAAGGCTAAAAGGTCCTG
 TAAGAAGCGGCATAGCACCCGTGGTGCATGGTATGTGGGTGACCCTGGACTCGCCACTGG
 TACCCGCCCTTCCGAGCGCGCTTAAGCCTTTGCCGTGAGCATGCACACTGAGAATGCTA
 ATGTTTGGGTTGATTGTATGTTGAGGATCTATTACTGACCGTATGATGAGGCCAATTTTT
 TTTCTTGTGGTTAGCAAGACTGCAAGAGATGGAAAAAAGTAGTTTGAATGTTTTGTGT
 GAAAGGAGTATACCATGAGATGAGATGACCACCAATCTTCTTGGGGGAGGGGTGTC
 TGCCCTTAGAAAAAAAAGAAAATCAAAAAAAAAAAAAAAAAAACTCGAC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001008490 unedited</p> <pre> TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCGCCTCGCCG CCCTCGGACCGCGGGCTCCGTCCAACCCGGCCGACATGGACGTGCTCCCCATGTGCAG CATCTTCAGGAGCTCCAGATCGTGCACGAGACCGGCTACTTCTCGGCGCTGCCGTCTCT GGAGGAGTACTGGCAACAGACCTGCCTAGAGCTGGAACGTTACCTCCAGAGCGAGCCCTG CTATGTTTCAGCCTCAGAAATCAAATTTGACAGCCAGGAAGATCTGTGGACAAAATCAT TCTGGCTCGGGAGAAAAAGGAGGAATCCGAACTGAAGATATCTTCCAGTCTCCAGAGGA CACTCTCATCAGCCCGAGCTTTTGTACAACCTAGAGACCAACAGCCTGAACTCAGATGT CAGCAGCGAATCCTCTGACAGCTCCGAGGAACTTTCTCCACGGCCAAGTTTACCTCCGA CCCCATTGGCGAAGTTTTGGTCAGCTCGGGAAAATTGAGCTCCTGTACCTCCACGCC TCCATCTTCTCCGAACTGAGCAGGGAACCTTCTCAACTGTGGGTTGCGTGCCCGGGGA GCTGCCCTCGCCAGGGAAGGTGCGCAGCGGGACTTCGGGGAAGCCAGGTGACAAGGGAAA TGGCGATGCTCCCCGACGGCAGGAGGAGGTGCACCGGTGCCACTTAAACGGTGCAG GAAAGTTTACACAAAAGCTCCCACTTCAAAGCACACCAGCGGACGCACACAGGAGNTAT GCCTTACAGATGCTCATGGGAAAGGNTGTGAGTGGGGCGTTNTGCAGAAGTGATGAGTTA ACCAGGCACTTCCGAAGCACACCCGGGNCNNCAGCNTTAAATGCTCCACTGTGACAGGTGT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001008490 unedited</p> <pre> GCGGCACGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTATTTTTCTTTTTTTTTCT AAGGGGCAGACACCCCTCCCCCAAGGAAAGATTGGTGGTCATCTCATCTCATGGTATA CTCCTTTACACAAAACATTCAAACACTTTTTTTTCCATCTCTTGCAGTCTTGCTAACCA CAAGGAAAAAAGTTGGCCTCATCATAACGGTCAGTAATAGATCCTCAACATACAATCAAC CCAACCATTAGCATTCTCAGTGTGCATGCTCACGGCAAAGGCTTAAGCGCCGCTCGGAAG GGCGGTACCAGTGGCGAGTCCAGGGTACCCACATACCATGCACCACGGGTGCTATGCC GCTTCTTACAGGACCTTTTTAGCCCTCAAAGACCTTCCAAGGAGAGGCCCTGGAGGCAA CTGGGTAGGGTGCAGAACGGCATGCTTTGGCTGGAACACGCATCCCTCCTTCCACGGCCG GCTCTCAGCCTGGAAGCCTTTTAGCCTACAGGATCCACCTCTCTGCTCCCTCAGAGGTGC CTTTCATGTGCAGGGCCAGGTGGTCAGACCTGGAAAAACACCTGTCACAGTGGGAGCAT TAAAAGGCTTGGCCCCGGTGTGCTTTTCGGAAGTGCCTGGTAACTCATCACTTCTTGCA AAACGCCACTCACACCTTCCCATGAGCATCTGTAAGAGCTTTTCTCCTGTGTGCGTCCG CTGGTGCACCTCCTNCTGTCGTGCGGGGAGCATCGGCATTTCCCTGTACCTGTCTTCCCCGA GTTTCGCTGCGCACCTTCCCTGCGAGGCAGCTCCCGNCCGACCCCCAGTGAGAAGTTCC TGCTATTCCCCGAAATGNNAGCGTGAGTGCAGAGACTCATT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001008490
Insert Size:	1430 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001008490.1](#), [NP_001008490.1](#)

RefSeq Size: 1708 bp

RefSeq ORF: 852 bp

Locus ID: 1316

Cytogenetics: 10p15.2

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Gene Summary: This gene encodes a member of the Kruppel-like family of transcription factors. The zinc finger protein is a transcriptional activator, and functions as a tumor suppressor. Multiple transcript variants encoding different isoforms have been found for this gene, some of which are implicated in carcinogenesis. [provided by RefSeq, May 2009]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.