

Product datasheet for **SC105988**

KLF13 (BC012782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLF13 (BC012782) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF13
Synonyms:	BTEB3; FKLF2; NSLP1; RFLAT-1; RFLAT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for BC012782, the custom clone sequence may differ by one or more nucleotides

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TGAATCTCAGGCACGGTTACAGGGGTCCTCAAGGGCAGGTTTCCATTTTCATCATGAAGTGAGGGACTCC
TGTGGAAGAGGGTGGTGGGCCTTGAACGCTGCCTCCACTGAGGGCGGCACACAAGGCGGACCCCTCTGA
AACAGCCTCCATTTTCTCAAACATGCAGAATGTTTTCCAGACTGCGTCTATTTTCAGGGTCTTCCATTT
TTGTGGTTTATGGCCATGCTTGCCAGTTTTGGTGGGGTTGAGGAACCCATAGGACTCATAGAAATAATAG
TGAAAACCTCAAACCCCTATTTTGGGACTTCAGTCTCGTGGTCCATAGGGGCAGAGATGTCAAAGTGAAG
GTTGCCTGAGTGAAGGGAGAGTCCCTATAAAAGGCCTAAAATTGATTTGGGGCTCAGCCATCAAGGGG
CTGGTGTGCTCCTGTCCAGACAAGGAAGCCCTCTTTACATCAGCCATATTAGGGGAACGGTTGTCAG
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CCCTGGGGTCTGCTCCTGCAGGATGCTGCATAGGAATGGGCAGAGATGCTCCTGGATGGGAACATGGTCT
GGAGGTGCCCTACCTGCATCCTGCTGCACCCACCCACGACACTCGAGTGAAGATCGCCTCACTCCTA
ACCCTGACTTTATCCCAGGCCACACCGAGGCAGGTGCAGGATTCGCCATGGTGCAGCCTCCGGGTAC
AAACATCTGAGGCACTGGCGATCCAGTCTTGCAGCACCTGAACACAGCTCAGACCAGTGAGGGGTGA
TTCAGAGGTGGGGATGGGCAGAGAGGGCTGGCCACTCTGCCTCAGGACTTGACCTCAAGTGTCTGTCTC
CCCACCCGGTGTGTCCAGAAGACCAGCCTCTTTTCCAGAAAGCAGGTGCTAAGATGGACTGCACAGGG
TCCCGGCACTCCCTCGGGACCCATTAGGATCTCAGCTGGGCAGGGGTGCCACCCAACAGGAAGATGTGA
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TTGACTTCTGACAGGTGCTACTGATTTTCTTCCCCATTTAAAAAGGTCAATTTAGTCAAAGACACAGT
GCTAGAGGTTTAAAGGGTGAATGTGTTGGTACATCACAAACAGTAAGAAACGCTTGGTAGGTTATCCA
CATCTTTTGTGACTGTTTTCCATATACAATTCTGGTACCATATTTTCCAAAACAAAATCTGAGGCGTG
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AGGCTCTGAAGGCTTGTCTGAGACACATTCCGGAGACCTTTGTACCAGAACTGGATGCATAGTCCACCT
TACTACTGATACACGCTGAGCACCTTTAGGGCGAGGGCGCCCTCCTGCCTGCTGTCTGTCCCTCAG
CATCAGAAGAGTTGAATTCAGCAGGAGACGGGAGCCCGGTGCCATGAGGGAAGAGGGGTGCGCTTGGT
TTCTACTGACCCCATGAAGATTCAGACTTGCAGTGCAGCCACCTGGCCCTGCCCTGCCTCTCTTTT
TCATACAGCTTTAAAACCTTACTACTTTATTTAAAAATGAAGTGGATGGGAGAGAAGTAGCGTCCCTA
CCCTACAAGTACACATTCGGGGAGGGGGTGGGGGTGGAGGCAGGAAGTATGGGGTGGGGTGGG
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CAGAAAGGAGGCACTACTGAGCAACTATGCATTGTCAATGTCGGGTTTGGGGCTTTCGGTGGTTCCTTG
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC012782 unedited
 GTAGGATATTTGTAACGACTTACTATAGGCGGCCGNAATTCGCACGAGGTCCTCAAG
 GCAGGTTTCCATTTTCATCATGAAGTGAGGGACTCCTGTGGAAGAGGGTGGTGGGCCTTGG
 AACGCTGCCTCCACTGAGGCGGGCACACAAGGCGGACCCTCCTGAAACAGCCTCCATTTT
 CTTCAAACATGCAGAATGTTTTCCAGACTGCGTCTATTTAGGGTCTTCCATTTTTGTG
 GTTTATGGCCATGCTTGCCAGTTTTGGTGGGTTGAGGAACCCATAGGACTCATAGAAAT
 AATAGTAAAACTCAAACCCCTATTTTGGGACTTCAGTTCTCGTGGTCCATAGGGGCAGA
 GATGTCAAAGTGAAGTTGCCTGAGTGAAGGGAGAGTTCCCTATAAAAGGCCTAAAATT
 GATTTGGGGCTCAGCCATCAAGGGGCTGGTGTGCTCCTGTCCCAGACAAGGAAGCCCT
 CTTTACATCAGCCATATTAGGGGAACGGTTGTCAGCTCCCCAAATGCCTACTGGATCCTA
 CAGCCATACAGGAAAACAGACGGACACAGCCCTTCTTAAAGAGCCCTGGGGTCTGTC
 CTGCAGGATGCTGCATAGGAATGGGCAGAGATGCTCCTGGATGGGAACATGGTCTGGAGG
 TGCCCTACCTGCATCCTGCTGCACCCNACCCACGACTCGAGTGCAAGATCGCCTCAC
 TCCTAACCTGACTNTATCCCAGGCCACNACCGAGCANGTGCANGATTGCCATGGT
 GCAGCCTCCGGGTACAAACATCTGAGGCACTGGCGATCCCAGTCTTGCAGACCCTGAA
 CACAGCTCAGACCAGTGAGGNGTGATNCANANNGTGGNGATGGGCANNANAGGGCTTGG
 CACTCTGNCTCAGACTNGACCCCTCAGTGTCTGTCTCCCACCCGNTGTGTNCAGAAGA
 CAGNCTCTTCTGCCAGAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for BC012782 unedited
 GCTNCTACTAAGGCACGNCGNCGCATACNANGANCGGATTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTAAAATAAGGAATCATAATTTTATTTCAAATGTAACG
 TACTAAACATGCCTACCCGTTAAAACAATAAAATTTACAATTTTCGTTAATTTTTCTTTT
 TGCATAGGACATCCTTACAATATAGAATCTATGCCCTACAAAATACCTACCAAGTTTTAT
 CCGAGCAAGCCAAGGCCAGACTGGGAACCTGGACAACCTGGAATACTTCACTGGAGTGATCC
 ACGAAAGATGAAACGTGGCCTTCGGAATTATGGGGGGGCTGGTTAAAAAAAAGTTCTTA
 CCGAAAAGAAAACATGAGCTCCATGGAATGGTCTTGGACCCTTGGATTCTGCCTTGGG
 CTTTTGGCAAATGATTCCAGAGAAGCTCCACCAATGGCTTTGGATGGGAAGGGTTGCCT
 GTGCGGGCTGGGGCAGCTGAAACCCGGAAGCATGCACCAACACATGCACACAAGCAAT
 TCCCAGTCACCAAGGAACCACCGAAAGCCCCAAACCCGACAATGACAATGCATAGTTGCT
 CAGTAGTGCCTCCTTTCTGCTGAGGCTTTCCAGCCCCAGAGCCCTCAGCACTAGGCACCA
 GGGCCTCTCTAGGATGAGGCGAGGAGCAAAGTCTCCCACTCACACCCAGAGGCA
 GGCACCTGGAGCCGGCACAGACGCTGGGGCTAATGAGCCACGTGGTGTCTAGAGCCACA
 TGGGGAGGTGCCCTTTGCTCCTCCTCAGGCAGCCAGGTACAAGGCTCCTCTGCTGAATG
 CATGGGCTGGCAAGCATTGCGCTCACACACCTGGTTTCCAATAAACACGCACTGCGACCT
 GTCCACGGGCCCTCTAGAAAAGGCAGGGAAAACAGGACCCTTAG

Restriction Sites:

NotI-NotI

ACCN:

BC012782

Insert Size:

2750 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).

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: [BC012782.1](#), [AAH12782.1](#)

RefSeq Size: 2735 bp

RefSeq ORF: 219 bp

Locus ID: 51621

Cytogenetics: 15q13.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: KLF13 belongs to a family of transcription factors that contain 3 classical zinc finger DNA-binding domains consisting of a zinc atom tetrahedrally coordinated by 2 cysteines and 2 histidines (C2H2 motif). These transcription factors bind to GC-rich sequences and related GT and CACCC boxes (Schohy et al., 2000 [PubMed 11087666]).[supplied by OMIM, Mar 2008]