

## Product datasheet for **SC335031**

### **KLF13 (NM\_001302461) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	KLF13 (NM_001302461) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	KLF13
<b>Synonyms:</b>	BTEB3; FKLF2; NSLP1; RFLAT-1; RFLAT1
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001302461, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCCGCCCTATGTGGACCACTTCGCCGCCGAGTGCCTCGTGTCCATGTCGAGCCGCGGTCG
TGCACGGGCCGCGGGAGGGGCCGAGTCCCGGCCGAGGGCGCGCCGTGGCCGCCACCCACGCTGCC
CCGCGTCGAGGAGCGCCGCGACGGTAAGGACAGCGCCTCGCTCTTCGTGGTGGCGCGGATCCTAGCGGAC
CTCAACCAGCAAGCGCCGCCGCCGCCCGGCCGAGCGCAGGGAGGGCGCCGCGGCCGGAAGGCGAGGA
CCCCCTGCCGCTGCCGCCGCCGCCGCCGAGCCACCTCCCCGGCGCCGAAGGCGGGCGGCCGCCGCC
CCCCAGCCGGCGTGGAGCGAGCCGAGCCGAGCGGGGCTGGAGCCCGAGCGGGAGCCGGGGCCCGCG
GGGAGCGCGAGCCGGCCTCAGACAAAGGTCCGGCGGGCCGAAGTCGCGCCGACCTCGAGTCCCCGC
AGAGGAAGCACAAGTGCCACTACGCGGGCTGCGAGAAAGTTTACGGGAAATCTTCGCACCTCAAGGCGCA
CCTGAGAACTCACACAGGTGACAAAGAAGACAAGGAAGCAAGGAAGGTGATCCGGGAGGCTGGAGAGCT
TGTCAAGGTCACAGACCCACGGTTTTCCGCCCTAGGGTCCAAGCTCTTTCCTGGACATCTGCAGGCAA
TGTGACACGCCCTCCAGTGTCTGTGGCGGGCAAAGGATGTGTCTCCACCCCGAGACCTCCGATCCTGT
GCTGAAAGTGTCCCTCAGCCTGTTTCTGAGAAGCCAGGGGCTTTGGCTTGTACTTTTTCTTCTCT
TGA
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<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_001302461
<b>OTI Disclaimer:</b>	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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001302461.1, NP_001289390.1</u>
<b>RefSeq Size:</b>	1241 bp
<b>RefSeq ORF:</b>	843 bp
<b>Locus ID:</b>	51621
<b>UniProt ID:</b>	<u>Q9Y2Y9</u>
<b>Cytogenetics:</b>	15q13.3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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 (Schoy et al., 2000 [PubMed 11087666]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.</p>