

## Product datasheet for **SC105940**

### TCEB2 (BC013306) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCEB2 (BC013306) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCEB2
Synonyms:	ELOB; elongin, 18-kD subunit; elongin B; RNA polymerase II transcription factor SIII p18 subunit; SIII; SIII p18; transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B); transcription elongation factor B (SIII), polypeptide 2 (18kDa, el
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC013306, the custom clone sequence may differ by one or more nucleotides

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ATGGACGTGTTTCCTCATGATCCGGCGCCACAAGACCACCATCTTCACGGACGCCAAGGAGTCCAGCACGG
TGTTTCGAACTGAAGCGCATCGTCGAGGGCATCCTCAAGCGGCCTCCTGACGAGCAGCGGCTGTACAAGGA
TGACCAACTCTTGGATGATGGCAAGACTGGGCGAGTGTGGCTCACCAGTCAAACAGCACGGCCACAG
GCCCCAGCCACAGTGGGGCTGGCCTCCGGGCAGATGACACCTTTGAGGCCCTGTGCATCGAGCCGTTTT
CCAGCCCCCAGAGCTGCCCGATGTGATGAAGCCCCAGGACTCGGGAAGCAGTGCCAATGAACAAGCCGT
GCAGTGA
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5' Read Nucleotide Sequence: >OriGene 5' read for BC013306 unedited

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CACCAGGCAGCAGCCGCGATGGACGTGTTTCCTCATGATCCGGCGCCACAAGACCACCATC
TTCACGGACGCCAAGGAGTCCAGCACGGTGTTCGAACTGAAGCGCATCGTCGAGGGCATC
CTCAAGCGGCCTCCTGACGAGCAGCGGCTGTACAAGGATGACCAACTCTTGGATGATGGC
AAGACTGGGCGAGTGTGGCTTACCAGTCAAACAGCACGGCCACAGGCCCCAGCCACA
GTGGGGCTGGCCTCCGGGCAGATGACACCTTTGAGGCCCTGTGCATCGAGCCGTTTTCC
AGCCCCCAGAGCTGCCCGATGTGATGAAGCCCCAGGACTCGGGAAGCAGTGCCAATGAA
CAAGCCGTGCAGTGAGGACCCCCAAGAGGCCCATTTCCCCCAATAAAAGAGATTTGGGAG
TCTGNNNAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAN
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Restriction Sites: NotI-NotI  
ACCN: BC013306



<b>Insert Size:</b>	500 bp
<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).
<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><a href="#">BC013306.2</a></u> , <u><a href="#">AAH13306.1</a></u>
<b>RefSeq Size:</b>	962 bp
<b>RefSeq ORF:</b>	357 bp
<b>Locus ID:</b>	6923
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	UBQ
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	This gene encodes the protein elongin B, which is a subunit of the transcription factor B (SIII) complex. The SIII complex is composed of elongins A/A2, B and C. It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. Elongin A functions as the transcriptionally active component of the SIII complex, whereas elongins B and C are regulatory subunits. Elongin A2 is specifically expressed in the testis, and capable of forming a stable complex with elongins B and C. The von Hippel-Lindau tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. Pseudogenes have been identified on chromosomes 11 and 13. [provided by RefSeq, Aug 2008]