

Product datasheet for **SC118126**

Elongin A (TCEB3) (NM_003198) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elongin A (TCEB3) (NM_003198) Human Untagged Clone
Tag:	Tag Free
Symbol:	Elongin A
Synonyms:	SIII; SIII p110; TCEB3; TCEB3A
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 NM_003198, the custom clone sequence may differ by one or more nucleotides

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ATGCACGGAGGGCGGAGCTGCGGCCGAGGACGCGACGCGAGCCAGTTCGGCGAGGAGGCCGCGCCAG
TGACACGGATGGCGCGGAGTCGCGCCTCCAAGTTGTGGAGAAGCTGCAGGCGCGCTGGCCGCGAACC
GGACCCTAAGAAGCTATTGAAATATTTGAAGAACTCTCCACCCTGCCTATTACAGTAGACATTCTTGGC
GAGACTGGGGTTGGGAAAACAGTAAATAGCTTGGGAAAACACGAGCATGTTGGAAGCTTTGCCAGGGACC
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GAGCAATCCCGAAAGCGCCCTCGGGATGCCCTGCAGAAGGAGGAGATGGAGGGGACTACCAAGAA
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AGCTCGAGAGACCTCACAAAGTGTCTCACGGTCATGAGAGGAGAGATGAGAGAAAGAGGTGTACAGAAT
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AGAAGCCTGGGAAAGGCCACAGCAATGCCTTTTCAGGACAGACTCGGGCCAGCCAAGAACGACACCTGGG
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GGAGAGGTGTACACCTGATCAGCTGTATCGCATAGAGGAATACAATCATGTATTAATTGAAGAAACAGAT
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GCCGGCTATGATGGCCAAGCACCAGCAGTGGCCACTTGGCACCAGTGGTCAGCAGCACTGTTTCTAT
GATCCTAGGAAACCCACTGTGAAGAAAATTGCCCAATGATGGCCAAGACAATTAAGCTTTCAAGAACA
GATTCTCCCGACGATAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003198 unedited
 GTCAGAATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGGGAGGCCGCG
 CCAGTGACAGCGATGGCGGCGGAGTCGGCGCTCCAAGTTGTGGAGAAGCTGCAGGCGCGC
 CTGGCCGGAACCCGGACCCTAAGAAGCTATTGAAATATTTGAAGAACTCTCCACCCTG
 CCTATTACAGTAGACATTCTTGGGAGACTGGGGTTGGGAAAACAGTAAATAGCTTGCGA
 AAACACGAGCATGTTGGAAGCTTTGCCAGGGACCTAGTGGCCCAGTGAAGAAGCTGGTT
 CCTGTGGAACGAAATGCTGAGCCTGATGAACAGGACTTTGAGAAGAGCAATTCGCCGAAAG
 CGCCCTCGGGATGCCCTGCAGAAGGAGGAGATGGAGGGGACTACCAAGAAACCTGG
 AAAGCCACGGGGAGCCGATCCTATAGCCCTGACCACAGGAGAGAAACATAGGAAACTC
 TCGGAGCTCGAGAGACCTCACAAGTGTCTCACGGTCATGAGAGGAGAGATGAGAGAAAAG
 AGGTGTACAGAAATGTCACCAACTTACTCTTACAGACCCTGAGTCTTCTGATTATGGCCAT
 GTTCAATCCCCTCCATCTTGTACCAGTCCCTCATCAGATGTACGTCGACCACTACAGATCC
 CTGGAGGAGGACCAGGAGCCATTGTTTACACCAGAAGCCTGGGAAAGGCCACAGCAAT
 GCCTTTCAGGACAGACTCGGGCCAGCCAAGAACGACACCTGGGTGAACCCCATGGGAAA
 GGGNGTTGTGAGTCANAACAAGGAGCACAAATCTCCACAAGGGGACAACGCCCCGTGG
 ATGCCAAGAGTGATGAGAAGGCCTCTGTGGTGAGCAGAGAGAATCACACAGGCCTCTCCA
 AGAAGAGACCCGAGCCACCTCAGGGACAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003198 unedited
 GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATACAATCTGG
 GGGCAATATTTTAAATTAATAAACTACGTCTTATAGTTTACAAAGATGCTAATGAACAACA
 AAAGTATAATTGACCTTTAAAATCCTCAGTGAGACAGAGGCTTACATCTTCAAATTTCT
 AAAGTGTCTCCAGGCAGGGAGGCGGGCTGTGGCACCCAGGTTCCAGGGGCAGCACCT
 GCAAATGCAGGACTCGGAGACCAAAAGGATCCCAAAGCAAGACTCCAGTCTCCTGTAA
 AATTCCATTTCCCAACCCCACTGTCTTGTATTCTGCCTCCCCAGATTCCATTTCAA
 GGCAAGTCCTCAGTTTATCGGCGGAGAATCTGTTCTTGAAGCTTTAATTGTCTTGCC
 ATCATTGGGGCAATTTCTTACAGGGGGTTTCTAGGATCATAGGAAACAGTGTCTGTG
 ACCACTGGGGCCAGTGGGCACTGCTGGCGCTTGGCCATCATAGGCCGCTCCTCAGGC
 TGGGGTTAAAAGCATACTCTGGCGGAAGCATGGCTGCTTCCCTGGGGTACCGGGCTC
 GTNTGATCCTTGTCTCTAAAGGACAGCTGCTTCTCCCTTACACCCTTTTCTGCTCC
 TTCGGACCCAGACCGGGCTCCGGCTCCCTATTCCCAAAGGCCCTTCGCTTGCCTGCC
 CCTGGGGCCCGTGGCAGCGGTAACATCATANTCTCCGTCACCCTCCTAACGTTTCCCTTG
 GTGCCGGAACCCCGGGTCCCCCGCCCCACACCACTCTGCCGTTTTTTTTCTTTCT
 TCCTGCATACCGCCCGCCACGATGCCCGCGGGCCACACCCCTCACCGCCCTCACACC
 ATTTCCACCCCTTCTCCCCGCGCACCCGGCCCTGTTGTTCTTCCCTTCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_003198

Insert Size:

2870 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: [NM_003198.1](#), [NP_003189.1](#)

RefSeq Size: 4959 bp

RefSeq ORF: 2319 bp

Locus ID: 6924

UniProt ID: [Q14241](#)

Cytogenetics: 1p36.11

Domains: TFS2N

Protein Families: Transcription Factors

Gene Summary: This gene encodes the protein elongin A, 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. [provided by RefSeq, Jul 2008]