

## Product datasheet for SC116611

### ELOC (NM\_005648) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ELOC (NM\_005648) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ELOC  
**Synonyms:** SIII; TCEB1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_005648 edited  
 ATGGATGGAGAGGAGAAAACCTATGGTGGCTGTGAAGGACCTGATGCCATGTATGTCAA  
 TTGATATCATCTGATGGCCATGAATTTATTGTAAGAGAGAACATGCATTAACATCAGGC  
 ACGATAAAGCCATGTTGAGTGGCCAGGTCAGTTTGCTGAGAACGAAACCAATGAGGTC  
 AATTTTAGAGAGATACCTTCACATGTGCTATCGAAAGTATGCATGTATTTTACGTACAAG  
 GTTCGCTACACTAACAGCTCCACCGAGATTCTGAATTCCTCAATTGCACCTGAAATTGCA  
 CTGGAAGTCTGATGGCTGCGAACTTCTTAGATTGTAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_005648 unedited  
 GTTCAGATTTGTATACGACTCCTATAGGGCGGCCGGAATCGGCACGAGGCCCGACAGG  
 CAGCTGGGGTGGGGGGCGGCCCTGGGATAGGGGCTGTGGCAGTACGCGGGACCCGGC  
 TGCGGTGGCTGCGGGACTGACGAGAACTACTAAAGTTCCTGGGGAAGCAAAGTAGAATT  
 TCATAAGAACAAAATGGATGGAGAGGAGAAAACCTATGGTGGCTGTGAAGGACCTGATGC  
 CATGTATGTCAAATTGATATCATCTGATGGCCATGAATTTATTGTAAGAGAACATGC  
 ATTAACATCAGGCACGATAAAGCCATGTTGAGTGGCCAGGTCAGTTTGCTGAGAACGA  
 AACCAATGAGGTCAATTTTAGAGAGATACCTTCACATGTGCTATCGAAAGTATGCATGTA  
 TTTTACGTACAAGTTCGCTACACTAACAGCTCCACCGAGATTCTGAATTCCTCAATTGC  
 ACCTGAAATTGCACTGGAAGTCTGATGGCTGCGAACTTCTTAGATTGTTAAATAAATA  
 AATTATAATAAACTGTTAACTCTTTTCAGTATTTAATACCTGTAGTTCAGTTAGTAACTT  
 TTTTCATATATAGCATGTTGCCTGTATGCAGTTGAACTATATAAAGTTCATTGCAAAGCAG  
 ATTATCTGTGTTTTTGCATAGCAATCAAAGTTGAAATTTGTTTGCTACATCAACAAATT  
 AAGGACCATTTCAAAAAGTGAAGAAATAACCAATATGCCAATTAAGGAGGAGGAGGAGG  
 CTCGACTTAGATTGCGGCCGCGGTCATAGCTGTTTCTTGACAGATCCCGTTGGCATCC  
 CTGTGACCCCTCCCAGTGCCTCTCTGGCCCTGNNAGTTGCCACTCCAGTGCCACCAGC  
 CTTGT



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_005648 unedited CCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAATTGGCATATTTGTTTATTTCTCAGTTTGTGAAAAATGTCCTTAATTTGTTGATGTAGCAAACAAATTTCAACTTTGATTGCTATGCAAAAAACAAGATAATCTGCTTTGCAATGAACTTTATATAGTTCAACTGCA TACAGGCAACATGCTATATATGAAAAAGTTACTAACTGAACTACAGGTATTAATACTGAAAGAGTTAACAGTTTATTATAATTTATTTTATTTAACAATCTAAGAAGTTCGCAGCCAT CAGCAGTTCCAGTGCAATTTTCAGGTGCAATTGGGAATTCAGGAATCTCGGTGGAGCTGTT AGTGTAGCGAACCTTGTACGTAAAATACATGCATACTTTTCGATAGCACATGTGAAGGTAT CTCTCTAAAATTGACCTCATTGGTTTCGTTCTCAGCAAACCTGACCTGGGCCACTCAACAT GGCTTTTATCGTGCCTGATGTTAATGCATGTTCTCTTTTTACAATAAATTCATGGCCATC AGATGATATCAATTTGACATACATGGCATCAGGTCCTTCACAGCCACCATAGGTTNTCTC CTCTCCATCCATTTTGTCTTATGAAATCTACTTTGCTTCCCCAGGAACTTTAGTAGTT TCTCGTCAGTCCCGCAGCCACCGCAACCGGGTCCCGCGTACTGCCACAGNCCCTATCCC ATGGCCGCCCCCACCCTAATTTGTCTGCTCCCGCTCGTGCCGAATTCGGGCCGCC TATATTGAGTCGAATACAAAATCTGACGGNTCACTAAACGACCTCTGCTTAATAAACCT CCACCGTACACGCTACCGCCCTTTGGGTAACGGGGCGGGTATTACAACATTTGGAAGTC CGGTGGTTTGGCGCCAAAAAACTCCCTTGCCGCAATGGGGTGGGAACCTGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005648
<b>Insert Size:</b>	800 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>	<a href="#">NM_005648.2</a> , <a href="#">NP_005639.1</a>
<b>RefSeq Size:</b>	668 bp
<b>RefSeq ORF:</b>	339 bp
<b>Locus ID:</b>	6921
<b>UniProt ID:</b>	<a href="#">Q15369</a>
<b>Cytogenetics:</b>	8q21.11
<b>Domains:</b>	Skp1
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Protein Pathways:**

Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis

**Gene Summary:**

This gene encodes the protein elongin C, 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. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been identified. [provided by RefSeq, Mar 2011]

Transcript Variant: This variant (1) represents the predominant transcript. Variants 1-7 encode the same protein (isoform a).