

## Product datasheet for **SC324494**

### ELL3 (NM\_025165) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELL3 (NM_025165) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_025165.2  
 CCGTGGTGGCCCTCGCCTGTGGCCCCGTGCTGCTTGCCTCGAAGTCTGTCGCCATGGAG  
 GAGCTCCAGGAGCCTCTGAGAGGACAGCTCCGGCTCTGCTTACGCAAGCTGCCCGGACT  
 AGCCTCTACTGCTCAGGCTCAACGACGCTGCCCTGCGGGCGCTGCAAGAGTGTACAGCG  
 CAACAGGTACGGCCGGTATTGCTTTCCAAGGCCACCGAGGGTATCTGAGACTCCCAGGC  
 CCTGGTTGGTCTGCCTCTTCTCCTTATAGTGTCCCAGTGTGTCAGGAGGGCGCTGGT  
 GGTAGCTTGGACCTTGTGTGCCAACGCTTCCCTCAGGCTGGGCCTAACAGCCTCCACTGC  
 CTGGGCTCACTCAGGGAGCGCCTCATTATTTGGGCAGCCATGGATTCTATCCCAGCCCCA  
 TCATCAGTTCAGGGACACAACCTGACTGAAGATGCCAGACATCCTGAGAGTTGGCAGAAC  
 ACAGGAGGCTATTCTGAAGGAGATGCAATATCACAGCCACAGATGGCACTAGAGGAGGTG  
 TCAGTGTGAGATCCACTGGCAAGCAACCAAGGACAGTCACTCCCAGGATCCTCAAGGGAG  
 CACATGGCACAGTGGGAAGTGAAGCCAGACCCATGTTCCAACAGAGAACCTGTTTACG  
 GCACTGCCTTCTCTGCCAGCCGAAACGCTCTGGACAAGAAACGTTTCAAGTGCCTGTAGCC  
 ACTGTAGAACTGGAAGAAAAGAGGTTTCAAGTCTGCCTTTAGTGCCAAGCCCCCTACAA  
 GGCTGACCAATCAGGATTTACAAGAGGGAGAAGATTGGGAGCAAGAAGATGAGGACATG  
 GACCCAGATTAGAACACAGTTCCTCAGTTCAGTCAAGAAGATTCTGAATCCCCAAGTCTGAA  
 GATATACCAGACTACCTCCTGCAATACAGGGCCATCCACAGTGCAGAACGCAACATGCC  
 TATGAGCAGGACTTTGAGACAGATTATGCTGAATACCGCATCCTGCATGCCCGTGTGGG  
 ACTGCAAGCCAAAGGTTTATAGAGCTGGGAGCAGAGATTAAGAGAGTTCGGCGAGGAACT  
 CCAGAATAACAAGTCTGGAAGACAAGATAATCCAGGAATATAAAAGTTTCAAGGAGCAG  
 TACCCAAGTTACAGAGAAGAAAAGCGTGCCTGTGAGTACCTTACCAGAAATGTCCAC  
 ATTAAGGTCTCATCCTGGAGTTTGGAGAAAAGAACAGGGCAGCTGAAGTTATCAAGGG  
 AATTTTTGAGCCTCTGCTTAGTGAACACAAAGGAACAAAGCAGTATAAACTAAATAGA  
 ATGCAACTATCTGCTTTTCTTATGCTGACCACTGGAGTCCATGGTGGCAAGTAGAGAGCT  
 GCTCTAGGTTCTGAGGTTTGGTTTTTATTATTAATTTTTAGGGTATGGGCACTGTGCAA  
 AGACTCCATAGCTGTGCCTAGGAGTCTAGGAAAAGTACAGAGGCTTGGCTTTTTTACCT  
 TTAGTTACAGCAAGTCAATTTTCAAGTCTGAGAAATGACATCATCTTCAAGGATAAAATA  
 TGAGGACATTAGACAAACCAACTAAGTGAATTTTAGCCTGGTAGCCTCTTAAGGAAAC  
 AGTAATAATAACTTCTGATAAGAGTTAAAAGAAGTGTAGCATACCTGGATATAATGGGA  
 AAGGGCTGGGTGTACCCATGTACTGAAAATGAACTTTTACCAACATGGCTAAAAAATT  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_025165

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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_025165.2</a> , <a href="#">NP_079441.1</a>
<b>RefSeq Size:</b>	2127 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	80237
<b>UniProt ID:</b>	<a href="#">Q9HB65</a>
<b>Cytogenetics:</b>	15q15.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>Enhancer-binding elongation factor that specifically binds enhancers in embryonic stem cells (ES cells), marks them, and is required for their future activation during stem cell specification. Does not only bind to enhancer regions of active genes, but also marks the enhancers that are in a poised or inactive state in ES cells and is required for establishing proper RNA polymerase II occupancy at developmentally regulated genes in a cohesin-dependent manner. Probably required for priming developmentally regulated genes for later recruitment of the super elongation complex (SEC), for transcriptional activation during differentiation. Required for recruitment of P-TEFb within SEC during differentiation. Probably preloaded on germ cell chromatin, suggesting that it may prime gene activation by marking enhancers as early as in the germ cells. Promoting epithelial-mesenchymal transition (EMT) (By similarity). Elongation factor component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Component of the little elongation complex (LEC), a complex required to regulate small nuclear RNA (snRNA) gene transcription by RNA polymerase II and III (PubMed:22195968). [UniProtKB/Swiss-Prot Function]</p>