

Product datasheet for **SC111065**

ELL (NM_006532) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELL (NM_006532) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELL
Synonyms:	C19orf17; ELL1; MEN; PPP1R68
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111065 sequence for NM_006532 edited (data generated by NextGen Sequencing)

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ATGGCGGCGCTGAAGGAGGATAGGAGCTACGGGCTGTCGTGCGGGCGGGTTAGCGACGGC
AGCAAGGTGTCGGTGTCCACGTGAAGCTACCCGACAGTGCCCTGAGGGCCTTCGAGAGC
TACCGCGCCAGACAGGATTCTGTTTCACTGAGGCCATCTATCCGATTTCAAGGAAGCCAA
GGGCACATCTCCATCCCCAGCCTGACTGCCCCGAGAGGCGGGACGTTCTCCTTAC
CTCTCCAACATCGGCGCGACAACCCAGGGCAGCTTCGACTGCATCCAGCAGTATGTC
TCCAGTCATGGGAAGTTCACCTGGACTGCCTGGGCAGCATAACAGGACAAGATCACGGTG
TGTGCCACCGACGACTCTACCAGAAGGCGGCGAGAGCATGGCCAGGCGGAGGAGGAG
ACGCGGAGCCGAAGTGCCATTGTCATCAAGGCTGGAGGCCGTACCTGGGCAAGAAGTT
CAGTTTCGAAACCAGCCCCAGGTGCAACAGACGCGGTGCCCTCCCGAAAGCGGGCAACC
CCCATCAACTGGCGAGTGCCATCAGGAAGAGTGGTGCCAGTGCCGTGAGTGGGGCAGC
GGGGTGTCCAGAGGCCCTTCCGTGACCGAGTGTGCACCTCCTGGCACTACGGCCCTAC
CGCAAGGTGAGCTGCTGCTGCGACTGCAGAAGGACGGCCTGACGCAGGGGACAAGGAC
GGCTGGATGGCCTCCTCCAGCAGGTGGCCAACATGAGTGCTAAGGACGGCACGTGTACA
CTGCAGGACTGCATGTACAAGGATGTGCAAGGACTGGCCTGGCTACTCGGAGGGGGAC
CAGCAGCTGTGAAGCGGGTGTCTCGTCCGGAAGCTGTGCCAGCCACAGAGCACTGGCAGC
CTCCTTGAGACCCTGTGCCTCCAGCCCCCAGGCGAGCGTGGGCGCTCGGCCTCGCCC
CCACAGAAGCGGCTGCAGCCTCTGATTTTCATCGACCCCTAGCCAACAAGAAACCCCGG
ATATCGCACTTCACTCAGAGAGCTCAGCCTGCCGTCAACGGGAAGCTGGGCGTGCCCAAT
GGCCGTGAGGCCCTTGCTGCCACCCCGGGCCACCAGCCAGCACGGACACCCTCAGCTCC
AGCACTCACCTGCCCCCGGGCTGGAGCCCCGAGGGCCACGACCCCTGGCCGATGTC
AGCAATGACCTGGGCCACAGCAGCCGAGACTGTGAGCACGGAGAGGCGGCTGCCCCAGCC
CCCACTGTGCGCCTCGGCTGCCCTGCTGACGACTGTGCCAGCCAGCAGGCCACAC
GGCAGCCCTCGCGCAGCAAGCCCAAGAAGAAGTCCAAGAAGCACAAAGCAAGGAGAGG
GCGGCTGAGGACAAGCCCCGGGCCAGCTTCCAGACTGTGCACCTGCCACCCATGCCACC
CCCGGAGCCCCAGCAGACACCCAGGTTTAAACGGAACCTGCAGCGTTTCCAGTGTCC
ACGTCCACGTGGAGACGCCTGACTACTTGTGAAGTACGCAGCCATCTCCTTTCGGAG
CAGCGCCAGAGCTACAAGAACGACTTCAATGCCGAGTACAGCGAGTACCGGACCTGCAC
GCCCGATTGAGCGCATACGCGGGGTTACCCAGCTCGACGCCAGCTCCGGCAGCTC
TCCAGGGCTCCGAGGAGTATGAGACTACTCGAGGGCAGATTTTGCAGGAATATCGAAAA
ATCAAAAAGACCAACACCAACTACAGCCAGGAGAAGCACCGCTGCGAGTACCTGCACAGC
AAGCTGGCCACATCAAGAGGCTCATCGCCGAGTACGACCAGCGGAGCTGCAGGCTTG
CCCTAG
    
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Clone variation with respect to NM_006532.3
 1222 g=>a

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006532 unedited
CCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGC
TCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTC
GGCAGCAGGGCGCAAGATGGCGGCGCTGAAGGAGGATAGGAGCTACGGGTGTCTGTGCGGG
CGGTTAGCGACGGCAGCAAGGTGTCTGGTGTCCACGTGAAGCTACCGACAGTGCCTGT
AGGGCCTTCGAGAGCTACCGGCCAGACAGGATTCTGTTTCACTGAGGCCATCTATCCGA
TTTCAAGGAAGCCAAGGGCACATCTCCATCCCCAGCCTGACTGCCCGCAGAGGGCGGG
AGGTTCTCCTTCTACCTCTCCAACATCGGCCGCGACAACCCCGAGGCGAGCTTCGACTGC
ATCCAGCAGTATGTCTCCAGTCAATGGGGAAGTTACCTGGACTGCCTGGGCGAGCATAACG
GACAAGATCACGGTGTGTGCCACCGACGACTCCTACCAGAAGGCGCGCAGAGCATGGCC
CAGGCGGAGGAGGAGACGCGGAGCCGAAGTGCCATTGTCAATCAAGGCTGGAGGCCGCTAC
CTGGGCAAGAAGTTTCAAGTTTCGAAACCAGCCCCAGGTGCAACAGACGCGGTGCCCTCC
CGGAAGCGGGCAACCCCATCAACTTGGCGAGTGCCATCANGAAGAGTGGTGCCAGTGCC
GTGAGTGGGGCAGCGGGGTGTCCAGAAGCCCTTCCGTGACCGAGTGTGCACCTCCTG
GCACTACNGCCCTACCGAAGGCTGAGCTGCTGCTGCGACTGCAGAAGGACNGCCTGACG
CANGCNGACAGGACGCGCTGGATGGCCNTCTCCAGCAGTGGCCAACATGAGTGCTAAG
GACNGCAGTGTACACTGGCAGACTGCATGTACAAGGATGTGCANAAGGACTGGCCCTGN
CTACTCGNAGGGGACANNACTGCTGAANCGGNNTGCTCGTCCGAAGCTGTGCCAGCACA
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_006532 unedited
CTANGTTTCNGTTTTTTTTTTTTTTTTTTTTTAAACAAAAATTTAACCTTTTTAAACAACT
TAGAACTTTGGCCCCAACCCCAAAAACAAAAAATTTTCTTAACCTTCATAATTCCTAA
AAGGGGAACCAATTAACCACAAAACCACCACCACCAAAAAGGCAATTCAACTGGCC
ACCCCTTGGACCGTTCCCAAGGCAAAAAGGCGCGCAATCCCGGGCTGGGACCCCGGAA
ATCATCCACCCCTACCCGGTTTTGAAGGCTTCCCGGGGGCAACAACAAGGGCAACT
TACCTTGAAGCCCTTGAACCCGTTGGGCCTTCCCGGGCGGCCCGGGCAAAAAA
AAAAACCACCACCGCTTTTGAACCTTGAAGATCCATTTCCCGGAACCTTGGGAACCC
GGGGGCCAAAAGAAAAAACCTTGGGCCAGGGGGGATACCCCGGGGGCCCCCACAA
TCAACTTTTGGAAACCTGCAAGAAGCCCCCTCACCCCAATTTAAAAAATAACA
TCTGGTTTTTGCCTTTTTGGTCCCCCGGCGACTGGTTGTGGCAACCATGACCCCAT
GGGATCCCTGGGCCCTGATTACAAGCCGATTCAACCCCAACAACCTTCCAAATCATG
GGTTCAATCAACCCTAATTGGAACCCCAACCCTTAAACCCACCTGCCTGGGGGGT
CCCCAAATAACCAACTACACAACCACAATTTGGTTGCCCCCGATGCCTGGGGGGGACC
CTAGACTAGGGCCACAGCACCGAACCACCATTTGGGGTGGCCTGCA
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Restriction Sites:

NotI-NotI

ACCN:

NM_006532

Insert Size:

4000 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	<ol style="list-style-type: none">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_006532.2 , NP_006523.1
RefSeq Size:	4058 bp
RefSeq ORF:	1866 bp
Locus ID:	8178
UniProt ID:	P55199
Cytogenetics:	19p13.11
Protein Families:	Transcription Factors
Gene Summary:	<p>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. Elongation factor 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, PubMed:23932780). Specifically required for stimulating the elongation step of RNA polymerase II- and III-dependent snRNA gene transcription (PubMed:23932780). ELL also plays an early role before its assembly into in the SEC complex by stabilizing RNA polymerase II recruitment/initiation and entry into the pause site. Required to stabilize the pre-initiation complex and early elongation.[UniProtKB/Swiss-Prot Function]</p>