

## Product datasheet for **RC208258**

### ELL (NM\_006532) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELL (NM_006532) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELL
Synonyms:	C19orf17; ELL1; MEN; PPP1R68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC208258 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCGCTGAAGGAGGATAGGAGCTACGGGCTGTCGTGCGGGCGGGTTAGCGACGGCAGCAAGGTGT  
 CGGTGTTCCACGTGAAGCTCACCAGACAGTGCCCTGAGGGCTTCGAGAGCTACCGCGCCAGACAGGATTC  
 TGTTTCACTGAGGCCATCTATCCGATTTCAAGGAAGCCAAGGGCACATCTCCATCCCCAGCCTGACTGC  
 CCCGAGAGGCGCGGACGTTCTCCTTCTACCTCTCCAACATCGGCCGCGACAACCCCCAGGGCAGCTTCG  
 ACTGCATCCAGCAGTATGTCTCCAGTATGGGGAAGTTACCTGGACTGCCTGGGAGCAGTACAGGACAA  
 GATCACGGTGTGTGCCACCGACGACTCCTACCAGAAGGCGCGCAGAGCATGGCCAGGCGGAGGAGGAG  
 ACGCGGAGCCGAAGTGCCATTGTCATCAAGGCTGGAGGCCCTACCTGGCAAGAAGTTTCAGTTTCGGA  
 AACCCAGCCCCAGGTGCAACAGACGCGGTGCCCTCCCGAAGCGGGCAACCCCATCAACTGGCGAGTGC  
 CATCAGGAAGAGTGGTCCAGTCCGCTGAGTGGGGGCAGCGGGGTGCCAGAGGCCCTCCGTCAGCCGA  
 GTGCTGCACCTCCTGGCACTACGGCCCTACCGCAAGGCTGAGTGTGCTGCGACTGCAGAAGGACGGCC  
 TGACGCAGGCGGACAAGGACGCGCTGGATGGCCTCCTCCAGCAGGTGGCCAACATGAGTGTAAAGGACGG  
 CACGTGTACTGACGAGGACTGCATGTACAAGGATGTGCAAGGACTGGCCTGGTACTCGGAGGGGGAC  
 CAGCAGCTGTGAAGCGGGTGTCTGTCGGAAGCTGTGCCAGCCACAGAGCACTGGCAGCCTCCTTGGAG  
 ACCCTGTGCCTCCAGCCCCCAGGCGAGCGTGGGCGCTCGGCCCGCCCCACAGAAGCGGCTGCAGCC  
 TCCTGATTTATCGACCCCTAGCCAACAAGAAACCCCGGATATCGCACTTCACTCAGAGAGCTCAGCCT  
 GCCGTCAACGGGAAGCTGGGCGTGCCCAATGGCCGTGAGGCCCTGCTGCCACCCCGGGCCACAGCCCA  
 GCACGGACACCCCTCAGCTCCAGCACTCACCTGCCCCGCGGCTGGAGCCCGAGGGCCACGACCCCT  
 GGCCGATGTGAGCAATGACCTGGCCACAGCGGCCGAGACTGTGAGCACGGAGAGGCGGCTGCCCCAGCC  
 CCCACTGTGCGCCTCGGCTGCCCTGCTGACGACTGTGCCAGCCAGCAGGCCACACGGCAGCCCT  
 CGCGCAGCAAGCCCAAGAAGAAGTCCAAGAAGCACAAGACAAGGAGAGGGCGGCTGAGGACAAGCCCCG  
 GGCCAGCTTCCAGACTGTGCACCTGCCACCCATGCCACCCCGAGCCACAGCAGACACCCAGGTTTA  
 AACGGAACCTGCAGCGTTTCCAGTGTCCACGTCCAGTCCGAGACGCCTGACTACTTGTGAAGTACG  
 CAGCCATCTCTTTCGAGCAGCGCCAGAGCTACAAGAAGCAGTCAATGCCGAGTACAGCGAGTACCG  
 CGACTGCAGCCCGCATTGAGCGCATCACGGCGGTTACCCAGCTCGACGCCAGCTCCGGCAGCTC  
 TCCAGGGCTCCGAGGAGTATGAGACTACTCGAGGGCAGATTTTGCAGGAATATCGAAAAATCAAAAAGA  
 CCAACACCAACTACAGCCAGGAGAAGCACCGCTGCGAGTACCTGCACAGCAAGCTGGCCACATCAAGAG  
 GCTCATCGCCGAGTACGACCAGCGGCAGCTGCAGGCTTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

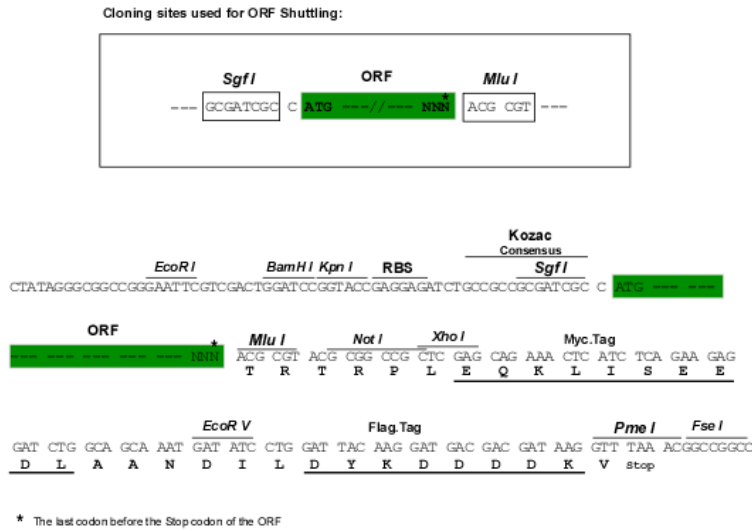
**Protein Sequence:**

>RC208258 protein sequence  
 Red=Cloning site Green=Tags(s)

MAALKEDRSYGLSCGRVSDGSKVSVFHVKLTDLSALRAFESYRARQDSVSLRPSIRFQGSQGHISIPQPD  
 PAEARTFSFYLSNIGRDNPQGSFDCIQYVSSHGEVHLDCLGSIQDKITVCATDSDSYQKARQSMQAEEE  
 TRSRSAIVIKAGGRYLKQKQVFRKPAPGATDAVPSRKRAATPINLASAIRKSGASAVSGGSGVSQRPFDR  
 VLHLLALRPYRKAELLLRLQKDLTQADKDALDGLLQVANMSAKDGTCTLDQCMYKDVQKDWPGYSEGD  
 QQLLKRVLVRKLCQPQSTGSLLDPAASSPPGERGRSASPPQKRLQPPDFIDPLANKKPRI SHFTQRAQP  
 AVNGKLGVPNGREALLPTPGPPASTDTLSSSTHLPRLPPRAHDPLADVSNDLGHSGRDCHEGAAAPA  
 PTVRLGLPLLTDCAQPSRPHGSPSRKPKKSKKHDKERAAEDKPRAQLPDCAPATHATPGAPADTPGL  
 NGTCSVSSVPTSTSETPDYLLKYAAISSSEQRQSYKNDFNAEYSEYRDLHARIERITRRFTQLDAQRLQL  
 SQGSEYEYTRGQILQEYRKIKKTNTNYSQEKHRCREYLHSLKLAHIKRLIAEYDQRQLQAWP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6278\\_d10.zip](https://cdn.origene.com/chromatograms/mk6278_d10.zip)  
**Restriction Sites:** SgfI-MluI  
**Cloning Scheme:**



**ACCN:** NM\_006532  
**ORF Size:** 1863 bp

**OTI Disclaimer:** 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_006532.4](#)

**RefSeq Size:** 4077 bp

**RefSeq ORF:** 1866 bp

**Locus ID:** 8178

**UniProt ID:** [P55199](#)

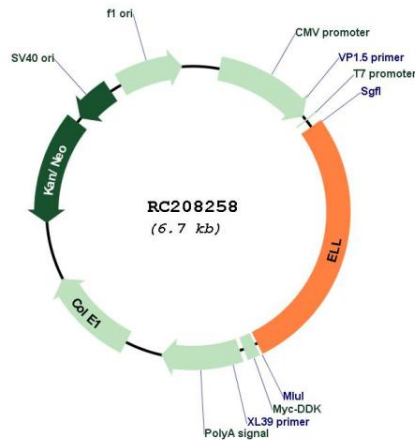
**Cytogenetics:** 19p13.11

**Protein Families:** Transcription Factors

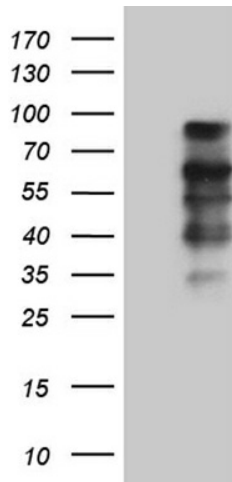
**MW:** 68.3 kDa

**Gene Summary:** 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]

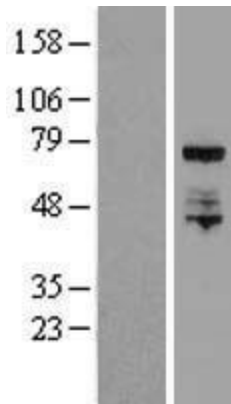
Product images:



Circular map for RC208258



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ELL (Cat# RC208258, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ELL (Cat# [TA810830])(1:2000). Positive lysates [LY416583] (100ug) and [LC416583] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY416583]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208258 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).