

Product datasheet for **RG208258**

ELL (NM_006532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELL (NM_006532) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELL
Synonyms:	C19orf17; ELL1; MEN; PPP1R68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208258 representing NM_006532
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCGCTGAAGGAGGATAGGAGCTACGGGCTGTCGTGCGGGCGGGTTAGCGACGGCAGCAAGGTGT
 CGGTGTTCCACGTGAAGCTCACCAGACAGTGCCCTGAGGGCTTCGAGAGCTACCGCGCCAGACAGGATTC
 TGTTCCTACTGAGGCCATCTATCCGATTTCAAGGAAGCCAAGGGCACATCTCCATCCCCAGCCTGACTGC
 CCCGACAGAGGCGCGGACGTTCTCCTTCTACCTCTCCAACATCGGCCGCGACAACCCCCAGGGCAGCTTCG
 ACTGCATCCAGCAGTATGTCTCCAGTATGGGGAAGTTACCTGGACTGCCTGGGAGCAGTACAGGACAA
 GATCACGGTGTGTGCCACCGACGACTCCTACCAGAAGGCGCGCAGAGCATGGCCAGGCGGAGGAGGAG
 ACGCGGAGCCGAAGTCCATTGTCATCAAGGCTGGAGGCCCTACCTGGCAAGAAGTTTCAGTTTCGGA
 AACCCAGCCCCAGGTGCAACAGACGCGGTGCCCTCCCGAAGCGGGCAACCCCATCAACTGGCGAGTGC
 CATCAGGAAGAGTGGTCCAGTCCGCTGAGTGGGGGCAGCGGGGTGCCAGAGGCCCTCCGTCAGCCGA
 GTGCTGCACCTCCTGGCACTACGGCCCTACCGCAAGGCTGAGTCTGCTGCGACTGCAGAAGGACGGCC
 TGACGCAGGCGGACAAGGACGCGCTGGATGGCCTCCTCCAGCAGGTGGCCAACATGAGTGCTAAGGACGG
 CACGTGTACACTGCAGGACTGCATGTACAAGGATGTGCAGAAGGACTGGCCTGGCTACTCGGAGGGGGAC
 CAGCAGCTGTGAAGCGGGTGTCTGTCGGAAGCTGTGCCAGCCACAGAGCACTGGCAGCCTCCTTGGAG
 ACCCTGCTGCCTCCAGCCCCCAGGCGAGCGTGGGCGCTCGGCCCTCGCCCCACAGAAGCGGCTGCAGCC
 TCCTGATTTATCGACCCCTAGCCAACAAGAAACCCCGGATATCGCACTTCACTCAGAGAGCTCAGCCT
 GCCGCAACGGGAAGCTGGGCGTGCCCAATGGCCGTGAGGCCCTGCTGCCACCCCGGGCCACCCAGCCCA
 GCACGGACACCCCTCAGCTCCAGCACTCACCTGCCCCCGCGGCTGGAGCCCCGAGGGCCACGACCCCT
 GGCCGATGTCAGCAATGACCTGGGCCACAGCGGCCGAGACTGTGAGCACGGAGAGGCGGCTGCCCCAGCC
 CCCACTGTGCGCCTCGGCCCTGCCCTGCTGACGACTGTGCCAGCCAGCAGGCCACACGGCAGCCCT
 CGCGCAGCAAGCCCAAGAAGAAGTCCAAGAAGCACAAGACAAGGAGAGGGCGGCTGAGGACAAGCCCCG
 GGCCAGCTTCCAGACTGTGCACCTGCCACCCATGCCACCCCGAGCCACAGCAGACACCCAGGTTTA
 AACGGAACCTGCAGCGTTTCCAGTGTCCACGTCCAGTCCGAGACGCCTGACTACTTGTGAAGTACG
 CAGCCATCTCTTTCGAGCAGCGCCAGAGCTACAAGAAGCAGCTTCAATGCCGAGTACAGCGAGTACCG
 CGACCTGCACGCCGATTGAGCGCATCACGGCGGTTACCCAGCTCGACGCCAGCTCCGGCAGCTC
 TCCAGGGCTCCGAGGAGTATGAGACTACTCGAGGGCAGATTTTGCAGGAATATCGAAAAATCAAAAAGA
 CCAACCAACTACAGCCAGGAGAAGCACCGCTGCGAGTACCTGCACAGCAAGCTGGCCACATCAAGAG
 GCTCATCGCCGAGTACGACCAGCGGCAGCTGCAGGCTTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208258 representing NM_006532
 Red=Cloning site Green=Tags(s)

MAALKEDRSYGLSCGRVSDGSKVSVFHVKLTDALRAFESYRARRQDSVSLRPSIRFQGSQGHISIPQPD
 PAEARTFSFYLSNIGRDNPPQGSFDCIQYVSSHGEVHLDCLGSIQDKITVCATDSDYQKARQSMQAEEE
 TRSRSAIVIKAGGRYLKQKQFRKPAPGATDAVPSRKRATPINLASAIRKSGASAVSGSGVSQRPFDR
 VLHLLALRPYRKAELLLRLQKDGLTQADKDALDGLLQVANMSAKDGTCTLDQCMYKDVQKDWPGYSEG
 QQLLKRVLVRKLCQPQSTGSLLDPAASSPPGERGRSASPPQKRLQPPDFIDPLANKKPRI SHFTQRAQP
 AVNGKLGVPNGREALLPTPGPPASTDTLSSSTHLPPRLEPPRAHDPLADVSNLGHSGRDCEHGEAAAPA
 PTVRLGLPLLTDCAQPSRPHGSPSRKPKKSKKHKDKERAAEDKPRAQLPDCAPATHATPGAPADTPGL
 NGTCSVSSVPTSTSETPDYLLKYAAISSSEQRQSYKNDFNAEYSEYRDLHARIERITRRFTQLDAQLRQL
 SQGSEYETTRGQILQEYRIKKTNTNYSQEKHRCREYLHSLKLAHIKRLIAEYDQRQLQAWP

TRTRPLE – GFP Tag – V

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 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: 4058 bp

RefSeq ORF: 1866 bp

Locus ID: 8178

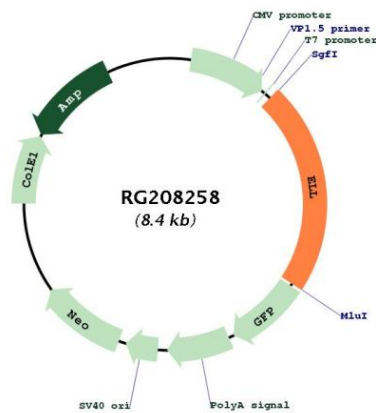
UniProt ID: [P55199](#)

Cytogenetics: 19p13.11

Protein Families: Transcription Factors

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 RG208258