

Product datasheet for **RC206204**

ELL2 (NM_012081) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELL2 (NM_012081) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELL2
Synonyms:	MRCCAT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC206204 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCGGGGGGACAGGGGGCTGCGGGAGGAGCAGCGCTATGGGCTGTCGTGCGGACGGCTGGGGC
AGGACAACATCACCGTACTGCATGTGAAGCTCACCGAGACGGCGATCCGGGCGCTCGAGACTTACCAGAG
CCACAAGAATTTAATTCCTTTTCGACCTTCAATCCAGTTCCAAGGACTCCACGGGCTTGTCAAAATTC
AAAAATGATCCCCTCAATGAAGTTCATAACTTTAACTTTTATTTGTCAAATGTGGGCAAAGACAACCCCTC
AGGGCAGCTTTGACTGCATCCAGCAAACATTCTCCAGCTCTGGAGCCTCCAGCTCAATTGCCTGGGATT
TATACAAGATAAAATTACAGTGTGTGCAACAAACGACTCGTATCAGATGACACGAGAAAGAATGACCCAG
GCAGAGGAGGAATCCCGCAACCGAAGCACAAAAGTTATCAAACCCGGTGGACCATATGTAGGAAAAGAG
TGCAAATTCGAAAGCACCTCAAGCTGTTTCAGATACAGTTCCTGAGAGGAAAAGGTCAACCCCATGAA
CCCTGCAATACAATTCGAAAGACATAGCAGCAGCACCATCTCTCAGAGGCCATACAGGGACAGGGTG
ATTCACCTACTGGCCCTGAAGGCCTACAAGAAACCGGAGCTACTTGTAGACTCCAGAAAGATGGTGCA
ATCAAAAAGACAAGAACTCCCTGGGAGCAATTCTGCAACAGGTAGCCAATCTGAATTCTAAGGACCTCTC
ATATACCTTAAAGGATTATGTTTTAAAGAGCTTCAAAGAGACTGGCCTGGATACAGTGAATAGACAGA
CGGTCAATTGGAGTCAGTCTCTAGAAAATAAATCCGTCTCAGAAATGCTACAGGCACCAGCCGTTTCAG
AATCTCCTGTATGTTCTAGTAGAGATGCTGTATCTTCTCCTCAGAAACGGCTTTTGGATTGAGATTTAT
TGATCCTTTAATGAATAAAAAAGCCGAATATCTCACCTGACGAACAGAGTACCACCAACTAAATGGT
CATTTGAATCCCACCAGTAAAAATCGGCTGCAGGCCTCCACTGCCCTGCGGCTGCTGCCATCCCCA
CCCCTCCACCGCTGCCTTCAACCTATCTGCCATCTCACATCCTCCTCAGATTGTAATTTCAACTCCAA
CTCCCCTAGCACTCCAGAAGGCCGGGGACTCAAGACCTACCTGTTGACAGTTTTAGTCAAAACGATAGT
ATCTATGAGGACCAGCAAGACAAATATACCTCTAGGACTTCTCTGAAACCTTACCCCTGGTTCGGTTC
TACTAAAGTGTCAAAGCCTATGGAAGAAAACCTTCAATGTCTCAGAAAAGTCCAAAAGAAAGTCTAA
AAAACATAAGGAAAAGGACCAAAATAAAAAAGCACGACATTGAGACTATTGAGGAAAAGGAGGAAGATCTT
AAGAGAGAAGAGGAAATGCCAAGCTAAATAACTCCAGTCAAATTCAGTGGAGGAGTTAAGAGGATT
GCACTGCCTCCATGGAACCTTCAAGCAATTGAACCTCCAGATTATTTGATAAAATATATCGCTATCGTCTC
CTATGAGCAACGCCAGAATTATAAGGATGACTTCAATGCAGAGTATGATGAGTACAGAGCTTTGCATGCC
AGGATGGAGACTGTAGCTAGAAGATTTTCAAAGTATGACAAAGAAAGCGCCTTTCTCCAGGCTCAA
AAGAGTATCAGAATGTTTCATGAAGAAGTCTTACAAGAATATCAGAAGATAAAGCAGTCTAGTCCCAATTA
CCATGAAGAAAAATACAGATGTGAATATCTTCATAACAAGCTGGCTCACATCAAAAGGCTAATAGGTGAA
TTTGACCAACAGCAAGCAGAGTCATGGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_012081.4](#)

RefSeq Size: 6063 bp

RefSeq ORF: 1923 bp

Locus ID: 22936

UniProt ID: [O00472](#)

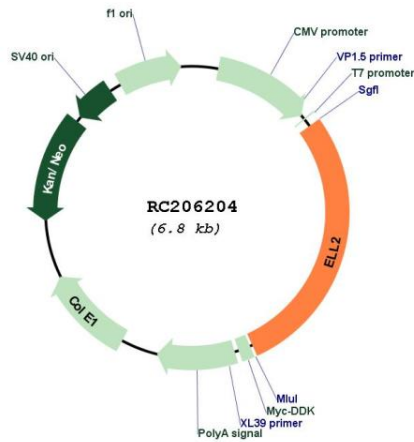
Cytogenetics: 5q15

Protein Families: Transcription Factors

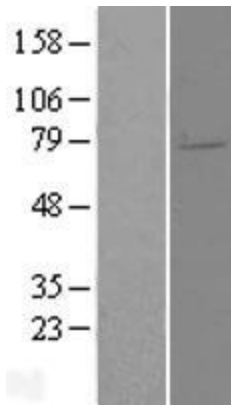
MW: 72.4 kDa

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. 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). Plays a role in immunoglobulin secretion in plasma cells: directs efficient alternative mRNA processing, influencing both proximal poly(A) site choice and exon skipping, as well as immunoglobulin heavy chain (IgH) alternative processing. Probably acts by regulating histone modifications accompanying transition from membrane-specific to secretory IgH mRNA expression. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC206204



Western blot validation of overexpression lysate (Cat# [LY402140]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206204 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).