

## Product datasheet for **RC206005**

### **ELOA2 (NM\_016427) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ELOA2 (NM_016427) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELOA2
Synonyms:	HsT832; TCEB3B; TCEB3L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RC206005 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGCAGGGTCCACTACGCTGCACGCAGTGGAGAAGCTGCAGGTACGTCTGGCCACTAAGACGGAGC  
CGAAAAAGCTAGAGAAATATTTGCAGAACTCTCCGCCTTGCCCATGACGGCAGACATCCTGGCGGAGAC  
TGGAATCAGAAAGACGGTGAAGCGCCTGCGGAAGCACCAGCACGTGGGCGACTTTGCCAGAGACTTAGCG  
GCCCGGTGAAGAAGCTGGTGTCTGCGTGGACCGAAACACCCGGCCTGGCCACAGGACCCTGAGGAGAGCG  
CTTCCCGACAGCGCTTCGGGGAGGCTCTTCAGGACCAGGAAAAGGCTGGGGCTTCCAGAAAACCGCAC  
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TGCCAGGGCCAACCCAGGGGAAAGCCGTTGTGAGCCACAGCAAGGGGCACAAATCGTCTGCCAGGAAA  
AACGCCCTTGTGTGCCAGGGAGATTGGCACTCCCTACTTTGATCAGGGAGAAATCATGCGGGGCTG  
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TGTA CTGGGCTCCAGGCTGCCTGCCAGCTCCAGGTGCCGACGCTGCGCCAGCAGTGTGCCAGGTGCT  
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CTTCAAGGAGGCAAGAGAAGTCTGCAGGAGACGCTGACCCGAAAATGGGGAGATCAAGCCAGCCTCCAA  
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ATCCTTCGCTGGCTCCCTGAGAAGCGGGCAACCCCTGCCTGAGCAGCAGCAATGAGCACGCGGCCCGC  
CGGCAAAAACCCGAAACAGGCTGCCAAGAAAGTGCCCCGCTGATGGCCAAGGCAATTCGAGACTACAA  
GAGAAGATTCTCCCGACGA

ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206005 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAGSTTLHAVEKLQVRLATKTEPKKLEKYLQKLSALPMTADILAETGIRKTVKRLRKHQHVGFARDLA  
 ARWKKLVLDNRNTRPGPDPEESASRQRFGEALQDQEKAWGFENATAPRSPSHSPEHRRTARRTPPGQQ  
 RPHPRSHSREPRERKCPRIAPADSGRYRASPTRTAPLRMPEGPEPAAPGKQPGRGHTHAAQGGPLLCPG  
 CQGQPQKAVVSHSKGHKSSRQEKRPQCAQGDWHSPTLIREKSCGACREETPRMPSPASARDRQPSDFK  
 TDKEGGQAGSGQRPALAEAPDSHQKRPQHSNSNKRPSLDGRDPGNTHGLSPEEQLSNDRETQEGK  
 PPTAHLDRTSVSSLSEVEEVDMAEFEQPTLSCEKYLTYDQLRKQKKTGKSATTALGDKQRKANESKGT  
 RESWDSAKKLPPVQESQSERLQAAGADSAGPKVTPNHVSELWDLSEAWMQANYDPLSDSDSMTSQAQPE  
 ALSSPKFREEAAFPGRRVNAKMPVYSGSRPACQLQVPTLRQCAQVLRNNPDALSDVGEVPYVWLEPVLE  
 GWRPDQLYRRKKNHALVRETDELRRNHCFQDFKEEKQENKTWREQYLRLPAPEQRLRVMTTNIARSAR  
 GNNPNGREAKMICFKSVAKTPYDTSRRQEKESAGDADPENGEIKPASKPAGSSHTPSSQSSSSGGGRDSSSS  
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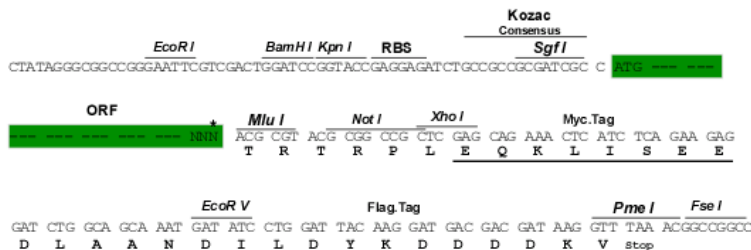
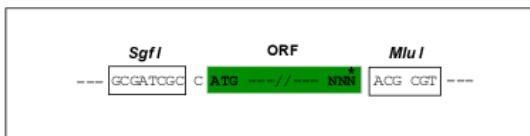
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6320\\_g11.zip](https://cdn.origene.com/chromatograms/mk6320_g11.zip)

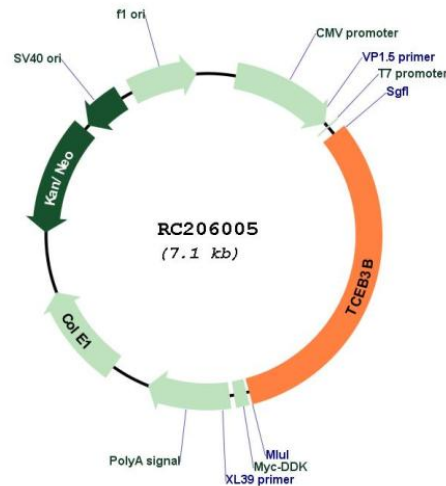
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_016427

**ORF Size:** 2259 bp

**OTI Disclaimer:** 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.

**RefSeq:** [NM\\_016427.1](#), [NM\\_016427.2](#), [NP\\_057511.2](#)

**RefSeq Size:** 3062 bp

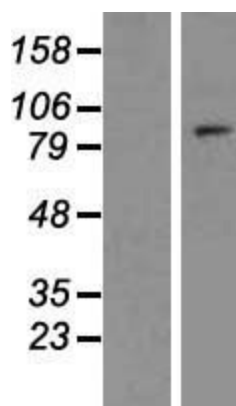
**RefSeq ORF:** 2262 bp

**Locus ID:** 51224

**Protein Families:** Transcription Factors

**MW:** 83.9 kDa

**Gene Summary:** This gene encodes the transcriptionally active subunit of the SIII (or elongin) transcription elongation factor complex, which also includes two regulatory subunits, elongins B and C. This complex acts to increase the rate of RNA chain elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites along the DNA template. Whereas a related protein with similar function, elongin A, is ubiquitously expressed, the encoded protein is specifically expressed in the testis, suggesting it may have a role in spermatogenesis. [provided by RefSeq, Jul 2008]

**Product images:**

Western blot validation of overexpression lysate (Cat# [LY414014]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206005 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).