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Product datasheet for RG206005

ELOA2 (NM_016427) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELOA2 (NM_016427) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELOA2
Synonyms:	HsT832; TCEB3B; TCEB3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG206005 representing NM_016427
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCAGGGTCCACTACGCTGCACGCAGTGGAGAAGCTGCAGGTACGTCTGGCCACTAAGACGGAGC
CGAAAAAGCTAGAGAAATATTTGCAGAAACTCTCCGCCTTGCCCATGACGGCAGACATCCTGGCGGAGAC
TGGAATCAGAAAGACGGTGAAGCGCCTGCGGAAGCACCAGCACGTGGGCGACTTTGCCAGAGACTTAGCG
GCCCGGTGGAAGAAGCTGGTGCTCGTGGACCGAAACACCCGGCCTGGCCCACAGGACCCTGAGGAGAGCG
CTTCCCGACAGCGCTTCGGGGAGGCTCTTCAGGACCAGGAAAAGGCCTGGGGCTTCCCAGAAAACGCGAC
GGCCCCCAGGAGCCCATCTCACAGCCCTGAGCACAGACGGACAGCACGCAGAACACCTCCGGGGCAACAG
AGACCTCACCCGAGGTCTCACAGTCGCGAGCCCAGAGCTGAGAGAAAGTGCCCCAGAATAGCCCCAGCTG
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TGCGCCCGGGAAGCAACCCGGAAGAGGCCACACTCACGCGGCTCAGGGCGGGCCTCTGCTGTGTCCAGGC
TGCCAGGGCCAACCCCAGGGGAAAGCCGTTGTGAGCCACAGCAAGGGGCACAAATCGTCTCGCCAGGAAA
AACGCCCCTTGTGTGCCCAGGGAGATTGGCACTCCCCTACTTTGATCAGGGAGAAATCATGCGGGGCCTG
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GCACTCTCTTCACCAAAGTTCCGGGAGGAAGCTGCTTTCCCTGGACGCAGAGTGAATGCTAAGATGCCGG
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GGAAACAACCCCAACGGCAGAGAGGCAAAGATGATCTGTTTCAAATCTGTGGCCAAGACGCCTTATGATA
CTTCAAGGAGGCAAGAGAAGTCTGCAGGAGACGCTGACCCCGAAAATGGGGAGATCAAGCCAGCCTCCAA
GCCCGCGGGAAGCAGCCACACTCCCTCCAGCCAGAGCAGCAGCGGCGGTGGCAGAGACAGCAGCAGCAGC
ATCCTTCGCTGGCTCCCTGAGAAGCGGGCCAACCCCTGCCTGAGCAGCAGCAATGAGCACGCGGCGCCCG
CGGCCAAAACCCGGAAACAGGCTGCCAAGAAAGTGGCCCCGCTGATGGCCAAGGCAATTCGAGACTACAA
GAGAAGATTCTCCCGACGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

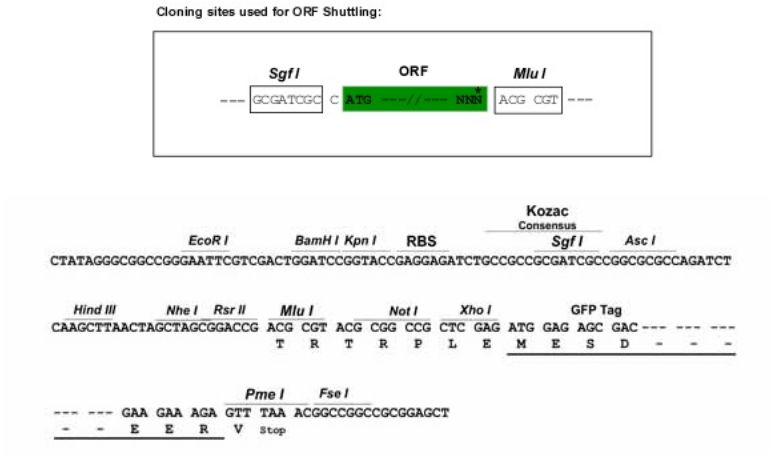
>RG206005 representing NM_016427
Red=Cloning site Green=Tags(s)

MAAGSTTLHAVEKLQVRLATKTEPKKLEKYLQKLSALPMTADILAETGIRKTVKRLRKHQHVGDFARDLA
ARWKKLVLVDRNTRPGPQDPEESASRQRFGEALQDQEKAWGFPENATAPRSPSHSPEHRRTARRTPPGQQ
RPHPRSHSREPRAERKCPRIAPADSGRYRASPTRTAPLRMPEGPEPAAPGKQPGRGHTHAAQGGPLLCPG
CQGQPQGKAVVSHSKGHKSSRQEKRPLCAQGDWHSPTLIREKSCGACLREETPRMPSWASARDRQPSDFK
TDKEGGQAGSGQRVPALEEAPDSHQKRPQHSHSNKKRPSLDGRDPGNGTHGLSPEEKEQLSNDRETQEGK
PPTAHLDRTSVSSLSEVEEVDMAEEFEQPTLSCEKYLTYDQLRKQKKKTGKSATTALGDKQRKANESKGT
RESWDSAKKLPPVQESQSERLQAAGADSAGPKTVPNHVFSELWDLSEAWMQANYDPLSDSDSMTSQAKPE
ALSSPKFREEAAFPGRRVNAKMPVYSGSRPACQLQVPTLRQQCAQVLRNNPDALSDVGEVPYWVLEPVLE
GWRPDQLYRRKKDNHALVRETDELRRNHCFQDFKEEKPQENKTWREQYLRLPDAPEQRLRVMTTNIRSAR
GNNPNGREAKMICFKSVAKTPYDTSRRQEKSAGDADPENGEIKPASKPAGSSHTPSSQSSSGGGRDSSSS
ILRWLPEKRANPCLSSSNEHAAPAAKTRKQAAKKVAPLMAKAIRDYKRRFSRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

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_016427.2, NP_057511.2

RefSeq Size: 3062 bp

RefSeq ORF: 2262 bp

Locus ID: 51224

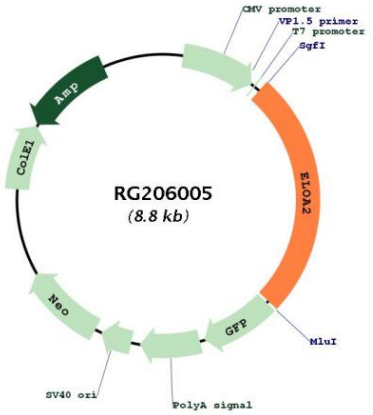
UniProt ID: Q8IYF1

Cytogenetics: 18q21.1

Protein Families: Transcription Factors

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:



Circular map for RG206005