

Product datasheet for **RC212398**

ELOA3B (NM_001100817) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ELOA3B
Synonyms:	ELOA3; eloA3-like-1; EloA3C; ELOA3L1; Elongin-A3; HsT828; TCEB3C; TCEB3CL; TCEB3L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC212398 representing NM_001100817
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGCAGGGTCCACTACGCTGCGCGCAGTGGGGAAGCTGCAGGTGCGTCTGGCCACTAAGACGGAGC
 CGAAAAAGCTAGAGAAATATTTGCAGAACTCTCCGCTTGCCCATGACCGCAGACATCCTGGCGGAGAC
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 GGCCCCCAGGAGCCCATCTCAGCCCTGAGCACAGACGGACAGCACGAGAACACCTCCGGGGCAACAG
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 CGGCGCCCGCGGACAAAACCCGAAAACAGGCTGCCAAGAAAGTGGCCCCGCTGATGGCCAAGGCAATTCC
 AGACTACAAGGAAGATTCTCCCGACGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC212398 representing NM_001100817
 Red=Cloning site Green=Tags(s)

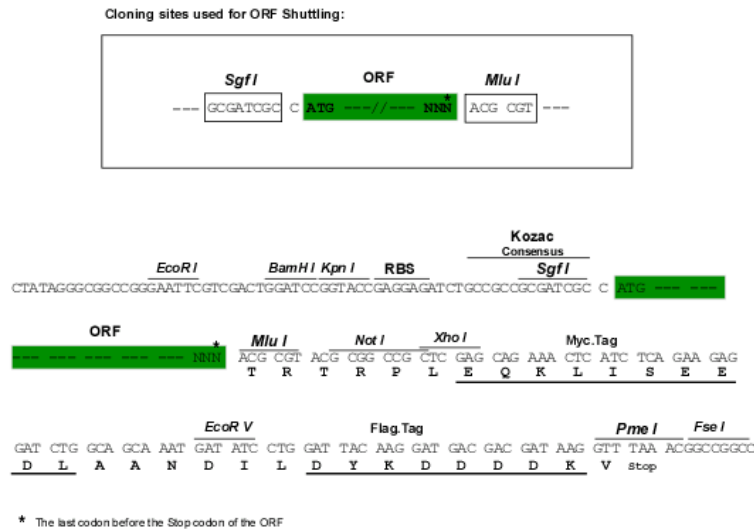
MAAGSTTLRAVGKLQVRLATKTEPKKLEKYLQKLSALPMTADILAETGIRKTVKRLRKHQHVGFARDLA
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 RPHPRSPSREPRERKPRMAPADSGPHRDPTRTAPLPMPEGPEPAVPGEQPGRGHAHAAGGPLLGGQ
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 ALGDVEGVYPYVLEPVLEGWTPDQPYRTEKDNAALARETDELWRIHCLQDFKEEKPEHEHSWREL YLRLR
 DAREQRLRVVTTKIRSARENKPSGRQTKMICFNSVAKTPYDASRRQEKSSAGAADPGNGEMEPAPKPAGSS
 QAPSGLDGDGGSVSGGSSNRHAAPADKTRKQAARKVAPLMAKAIRDYKGRFSRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8023_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001100817

ORF Size: 1638 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.

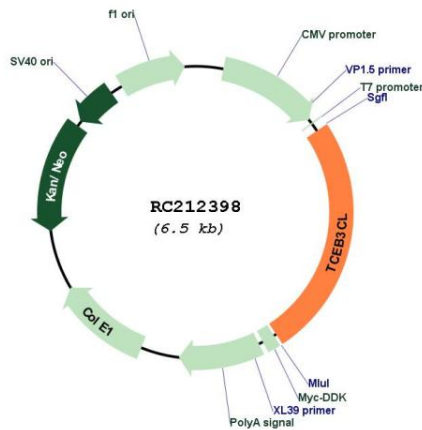
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001100817.1](#), [NP_001094287.1](#)

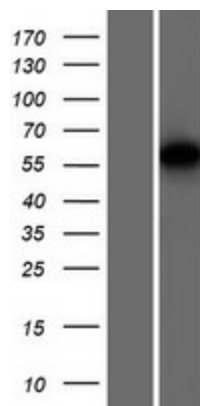
RefSeq Size: 1641 bp
 RefSeq ORF: 1641 bp
 Locus ID: 728929
 UniProt ID: [Q8NG57](#)
 Cytogenetics: 18q21.1
 MW: 59.6 kDa

Gene Summary: SIII, also known as elongin, is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template-encoded arresting sites. Subunit A3 is transcriptionally active but its transcription activity is not enhanced by binding to the dimeric complex of the SIII regulatory subunits B and C (elongin BC complex).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212398



Western blot validation of overexpression lysate (Cat# [LY420293]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212398 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).