

Product datasheet for RC231619

ELOC (NM 001204864) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ELOC (NM_001204864) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: ELOC

Synonyms: SIII; TCEB1

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RC231619 representing NM_001204864
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTATGTCAAATTGATATCATCTGATGGCCATGAATTTATTGTAAAAAGAGAACATGCATTAACATCAG GCACGATAAAAGCCATGTTGAGTGGCCCAGGTCAGTTTGCTGAGAACGAAACCAATGAGGTCAATTTTAG AGAGATACCTTCACATGTGCTATCGAAAGTATGCATGTATTTTACGTACAAGGTTCGCTACACTAACAGC TCCACCGAGATTCCTGAATTCCCAATTGCACTGAAATTGCACTGGAACTGCTGATGGCTGCGAACTTCT

TAGATTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231619 representing NM_001204864

Red=Cloning site Green=Tags(s)

MYVKLISSDGHEFIVKREHALTSGTIKAMLSGPGQFAENETNEVNFREIPSHVLSKVCMYFTYKVRYTNS

STEIPEFPIAPEIALELLMAANFLDC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

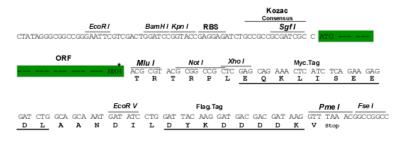
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



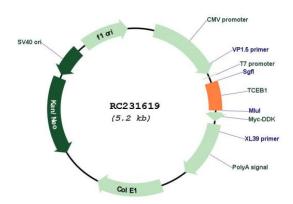
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001204864

ORF Size: 288 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



ELOC (NM_001204864) Human Tagged ORF Clone - RC231619

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: <u>NM 001204864.1</u>, <u>NP 001191793.1</u>

RefSeq Size: 1870 bp
RefSeq ORF: 291 bp
Locus ID: 6921
UniProt ID: Q15369
Cytogenetics: 8q21.11

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis

MW: 11.3 kDa

Gene Summary: This gene encodes the protein elongin C, which is a subunit of the transcription factor B (SIII)

complex. The SIII complex is composed of elongins A/A2, B and C. It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. Elongin A functions as the transcriptionally active component of the SIII complex, whereas elongins B and C are regulatory subunits. Elongin A2 is specifically

expressed in the testis, and capable of forming a stable complex with elongins B and C. The von Hippel-Lindau tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation. Multiple alternatively spliced transcript variants encoding two

distinct isoforms have been identified. [provided by RefSeq, Mar 2011]