

## Product datasheet for **RG231671**

### ELOC (NM\_001204859) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ELOC (NM\_001204859) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ELOC  
**Synonyms:** SIII; TCEB1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231671 representing NM\_001204859  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGGAGAGGAGAAAACCTATGGTGGCTGTGAAGGACCTGATGCCATGTATGTCAAATTGATATCAT  
CTGATGGCCATGAATTTATTGTAAAAAGAGAACATGCATTAACATCAGGCACGATAAAAGCCATGTTGAG  
TGGCCAGGTCAAGTTGCTGAGAACGAAACCAATGAGGTCAATTTAGAGAGATACCTTCACATGTGCTA  
TCGAAAGTATGCATGTATTTACGTACAAGGTTGCTACACTAACAGCTCCACCGAGATTCCTGAATTCC  
CAATTGCACCTGAAATTGCACTGGAAGTCTGATGGCTGCGAAGTCTTAGATTGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231671 representing NM\_001204859  
Red=Cloning site Green=Tags(s)  
MDGEEKTYGGCEGPDAMYVKLISSDGHEFIVKREHALTSGTIKAMLSGPGQFAENETNEVNFREIPSHVL  
SKVCMYFTYKVRVTNSSTEIPEFPPIAPEIALELLMAANFLDC

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001204859.2</a>
<b>RefSeq Size:</b>	2231 bp
<b>RefSeq ORF:</b>	339 bp
<b>Locus ID:</b>	6921
<b>UniProt ID:</b>	<a href="#">Q15369</a>
<b>Cytogenetics:</b>	8q21.11
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	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]