

## Product datasheet for SC329778

### ELOC (NM\_001204864) Human Untagged Clone

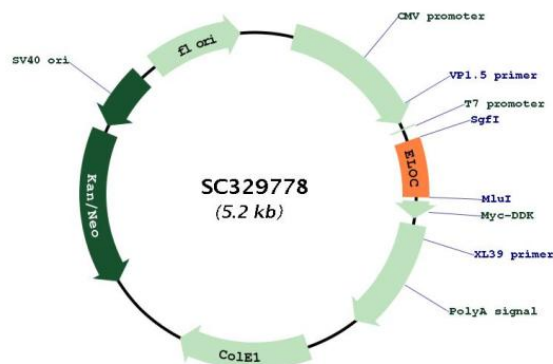
#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELOC (NM_001204864) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELOC
Synonyms:	SIII; TCEB1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329778 representing NM_001204864. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTATGTCAAATTGATATCATCTGATGGCCATGAATTTATTGTAAGAGAACATGCATTAACATCA  
GGCAGATAAAAGCCATGTTGAGTGGCCAGGTCAGTTTGCTGAGAACGAAACCAATGAGGTCAATTTT  
AGAGAGATACCTTCACATGTGCTATCGAAAGTATGCATGTATTTACGTACAAGTTCGCTACACTAAC  
AGCTCCACCGAGATTCTGAATCCCAATTGCACCTGAAATTGCACTGGAAGTCTGATGGCTGCGAAC  
TTCTTAGATTGTAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001204864

Insert Size: 291 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_001204864.1</a>
<b>RefSeq Size:</b>	1870 bp
<b>RefSeq ORF:</b>	291 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>MW:</b>	10.8 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (9) lacks an internal segment in the 5' region that results in use of downstream start codon compared to variant 1. The resulting protein (isoform b) has a shorter N-terminus compared to isoform a. Variants 8 and 9 encode the same protein.</p>