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Product datasheet for SC329775

ELOC (NM_001204861) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: ELOC (NM_001204861) Human Untagged Clone

Tag: Tag Free

Symbol: ELOC

Synonyms: SIII; TCEB1

Vector: pCMV6-Entry (PS100001)

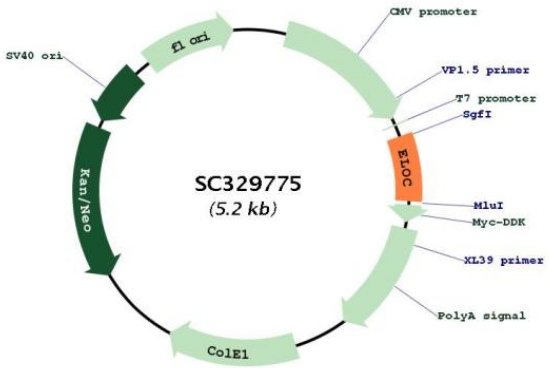
Fully Sequenced ORF:

>SC329775 representing NM_001204861.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGATGGAGAGGAGAAAACCTATGGTGGCTGTGAAGGACCTGATGCCATGTATGTCAAATTGATATCA
TCTGATGGCCATGAATTTATTGTAAAAAGAGAACATGCATTAACATCAGGCACGATAAAAGCCATGTTG
AGTGGCCCAGGTCAGTTTGCTGAGAACGAAACCAATGAGGTCAATTTTAGAGAGATACCTTCACATGTG
CTATCGAAAGTATGCATGTATTTTACGTACAAGGTTCGCTACACTAACAGCTCCACCGAGATTCCTGAA
TTCCCAATTGCACCTGAAATTGCACTGGAACTGCTGATGGCTGCGAACTTCTTAGATTGTTAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001204861

Insert Size: 339 bp

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OTI Disclaimer:	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).
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_001204861.1
RefSeq Size:	2115 bp
RefSeq ORF:	339 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:	12.5 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] Transcript Variant: This variant (6) differs in the 5' UTR compared to variant 1. Variants 1-7 encode the same protein (isoform a).