

## Product datasheet for **SC336961**

### LEO1 (NM\_001286430) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LEO1 (NM_001286430) Human Untagged Clone
Tag:	Tag Free
Symbol:	LEO1
Synonyms:	RDL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

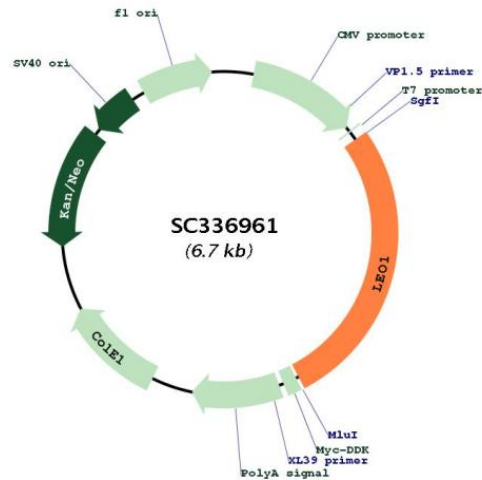


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**Fully Sequenced ORF:** >SC336961 representing NM\_001286430.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGATATGGAGGATCTCTTCGGGAGCGACGCCGACAGCGAAGCTGAGCGTAAAGATTCTGATTCT
GGATCTGACTCAGATTCTGATCAAGAGAATGCTGCCTCTGGCAGTAATGCCTCTGGAAGTAAAAGTGAT
CAGGATGAAAGAGGTGATTCAGGACAACCAAGTAATAAGGAACTGTTTGGAGATGACAGTGAGGACGAG
GGAGCTTCACATCATAGTGGTAGTGATAATCACTCTGAAAGATCAGACAATAGATCAGAAGCTTCTGAG
CGTTCTGACCATGAGGACAATGACCCCTCAGATGTAGATCAGCACAGTGGATCAGAAGCCCTAATGAT
GATGAAGACGAAGGTCATAGATCGGATGGAGGGAGCCATCATTGAGAAGCAGAAGTTCTGAAAAAGCA
CATTGATGATGAAAAATGGGGCAGAGAAGATAAAAAGTGACCAGTCAGATGATGAAAAAGATACAAAAT
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ATGCAGAACACAGATGATGAGGAGAGCCCTCAGCTTCCGATGATGAGAGACAACAGCTATCTGAGGAG
GAAAAGGCTAATTCTGATGATGAACGGCCGGTAGCTTCTGATAATGATGATGAGAAAACAGAACTTCTGAT
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GATCAACAGGAAGAGGAGCCAATTCCTGAGACCAGAATAGAAGTAGAAAATACCCAAAGTAAACACTGAT
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CAAGGTACTGGTCTACAGGGACAAGCAGTCTTTAAAACGAAACTCACCTTCAGACCTCACTCTACGGAC
AGTGCCACACATAGAAAGATGACTCTGTCACTGACAGATAGGTGTTCAAAGACACAGAAGATTAGAATC
TTGCCAATGGCTGGTCTGATCCTGAATGCCAACGCACAGAAATGATTAAGAAAAGAAGAAGACGTTTG
AGGGCTTCCATACGTAGGGAATCTCAGCAGCGCCGAATGAGAGAGAAACAGCACCAGCGGGGCTGAGC
GCCAGTTACCTGGAACCTGATCGATACGATGAGGAGGAGGAAGGCGAGGAGTCCATCAGCTTGGCTGCC
ATTA AAAACCGATATAAAGGGGGCATTGAGAGGAACGAGCCAGAATCTATTCATCAGACAGTATGAG
GGATCAGAAGAAGATAAAGCTCAAAGATTACTCAAAGCAAAGAACTTACCAGTATGAGGAAGGTGAA
CCTTCCGAAAGAGAAAAGCAGAAGATGATGATAAAGCAAATAAAAAGCATAAGAAGTATGTGATCAGC
GATGAAGAGGAAGAAGATGATGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001286430

**Insert Size:** 1821 bp

**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\\_001286430.1](#)

**RefSeq Size:** 2022 bp

**RefSeq ORF:** 1821 bp

**Locus ID:** 123169

**UniProt ID:** [Q8WVC0](#)

**Cytogenetics:** 15q21.2

**MW:** 68 kDa

**Gene Summary:**

LEO1, parafibromin (CDC73; MIM 607393), CTR9 (MIM 609366), and PAF1 (MIM 610506) form the PAF protein complex that associates with the RNA polymerase II subunit POLR2A (MIM 180660) and with a histone methyltransferase complex (Rozenblatt-Rosen et al., 2005 [PubMed 15632063]).[supplied by OMIM, Mar 2008]