

Product datasheet for **RC239067**

LEO1 (NM_001286430) Human Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RC239067 representing NM_001286430
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGATATGGAGGATCTCTCGGGAGCGACGCCACAGCGAAGCTGAGCGTAAAGATTCTGATTCTG
 GATCTGACTCAGATTCTGATCAAGAGAATGCTGCCTCTGGCAGTAATGCCTCTGGAAGTGAAAGTGATCA
 GGATGAAAGAGGTGATTAGGACAACCAAGTAATAAGGAAGTGTGGAGATGACAGTGAGGACGAGGGA
 GCTTACATCATAGTGGTAGTGATAACTCTGAAAGATCAGACAATAGATCAGAAGCTTCTGAGCGTT
 CTGACCATGAGGACAATGACCCCTCAGATGTAGATCAGCACAGTGGATCAGAAGCCCTAATGATGATGA
 AGACGAAGGTCATAGATCGGATGGAGGGAGCCATCATTAGAAGCAGAAGTTCTGAAAAAGCACATTCA
 GATGATGAAAAATGGGCGAGAGAAGATAAAAGTGACCAGTCAGATGATGAAAAGATACAAAATTCTGATG
 ATGAGGAGAGGGACAAGGATCTGATGAAGATAAGCTGCAGAATTCTGACGATGATGAGAAAATGCAGAA
 CACAGATGATGAGGAGAGCCTCAGCTTCCGATGATGAGAGACAACAGCTATCTGAGGAGGAAAAGGCT
 AATTCTGATGATGAACGGCCGGTAGCTTCTGATAATGATGATGAGAAACAGAATTCTGATGATGAAGAAC
 AACACAGCTGTCTGATGAAGAGAAAATGCAAAATTCTGATGATGAAAGGCCACAGGCCTCAGATGAAGA
 ACACAGGCATTGATGATGAAGAGGAACAGGATCATAAATCAGAATCTGCAAGAGGCAGTGATAGTGAA
 GATGAAGTTTTACGAATGAAACGCAAGAATGCGATTGCATCTGATTGAGAAGCGGATAGTGACACTGAGG
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 TCCTGAATGCCAACGCACAGAAATGATTAAGAAAGAAGAAGACGTTTGAGGGCTTCCATACGTAGGGAA
 TCTCAGCAGCGCCGAATGAGAGAGAAACAGCACCAGCGGGGGCTGAGCGCCAGTTACCTGGAACCTGATC
 GATACGATGAGGAGGAGGAAGGCGAGGAGTCCATCAGCTTGGCTGCCATTAACAAACCGATATAAAGGGG
 CATTGAGAGGAACGAGCCAGAATCTATCATCAGACAGTGTAGGGATCAGAAGAAGATAAAGCTCAA
 AGATTACTCAAAGCAAAGAACTTACCAGTGTAGGAAGGTGAACCTTCCGAAAGAGAAAAGCAGAAG
 ATGATGATAAAGCAAATAAAAAGCATAAGAAGTATGTGATCAGCGATGAAGAGGAAGAAGATGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239067 representing NM_001286430
 Red=Cloning site Green=Tags(s)

MADMEDLFGSDADSEAEKSDSDSGSDSDQENASGSNASGSESDQDERGDSGQPSNKLFGDDSEDEG
 ASHHSGSDNHSERSDNREASERSDHEDNDP SDVDQHSSEAPNDEDEGHRSDGGSHHSEAESEKAHS
 DDEKWRGREDKSDQSDDEKIQNSDDEERAQGSDEDKLQNSDDDEKMQNTDDEERPQLSDDERQQLSEEEK
 NSDDERPVASDNDDEKQNSDDEEQPQLSDEEKMQNSDDERPQASDEEHRHSDDEEQDHKSESARGSDSE
 DEVLRMKRKNAIASDSEADSDTEVPKDNSGTMDFGGADDISSGSDGEDKPPTPGQPVDENGLPQDQEE
 EPIPETRIEVEIPKVNTDLGNDLYFVKLPNFLSVEPSMSLHLGNEVFDVYKAPLQGDHNLFIHQGTGLQ
 GQAVFKTKLTFRPHSTDSATHRKMTLSLADRCSTQKIRILPMAGRDPEQCQRTEMIKKEEERLRASIRRE
 SQQRRMREKQHQRLSASYLEPDRYDEEEEGEESISLAAIKNRYKGGIREERARIYSSDSDEGSEEDKAQ
 RLLKAKKLTSDDEEGEPSGKRKAEDDDKANKKHKYVISEDDEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

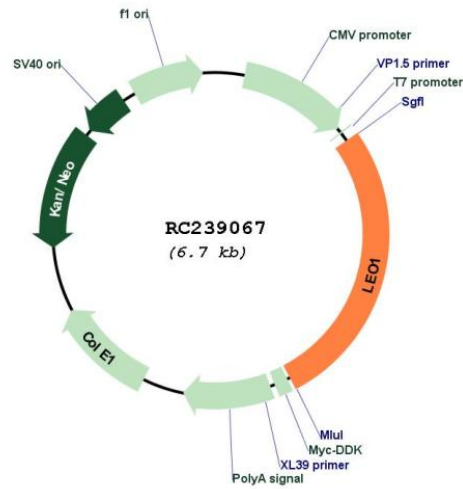
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286430

ORF Size: 1818 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
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:	<ol style="list-style-type: none">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 , NP_001273359.1
RefSeq Size:	2022 bp
RefSeq ORF:	1821 bp
Locus ID:	123169
UniProt ID:	Q8WVC0
Cytogenetics:	15q21.2
MW:	68.5 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]