

Product datasheet for **RG239067**

LEO1 (NM_001286430) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LEO1 (NM_001286430) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LEO1
Synonyms:	RDL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239067 representing NM_001286430.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGGATATGGAGGATCTCTTCGGGAGCGACGCCGACAGCGAAGCTGAGCGTAAAGATTCTGATTCT
GGATCTGACTCAGATTCTGATCAAGAGAATGCTGCCTCTGGCAGTAATGCCTCTGGAAGTAAAAGTGAT
CAGGATGAAAGAGGTGATTCAGGACAACCAAGTAATAAGGAAGTGTGGAGATGACAGTGAAGGAGGAG
GGAGCTTCACATCATAGTGGTAGTGATAATCACTCTGAAAGATCAGACAATAGATCAGAAGCTTCTGAG
CGTTCTGACCATGAGGACAATGACCCCTCAGATGTAGATCAGCACAGTGGATCAGAAGCCCTAATGAT
GATGAAGACGAAGGTCATAGATCGGATGGAGGGAGCCATCATTGAGAAGCAGAAGTTCTGAAAAAGCA
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TCTGATGATGAGGAGAGGGCACAAGGATCTGATGAAGTAAGCTGCAGAATTCTGACGATGATGAGAAA
ATGCAGAACACAGATGATGAGGAGAGCCCTCAGCTTCCGATGATGAGAGACAACAGCTATCTGAGGAG
GAAAAGGCTAATCTGATGATGAACGGCCGGTAGCTTCTGATAATGATGATGAGAAAACAGAATTCTGAT
GATGAAGAACAACACAGCTGTCTGATGAAGAGAAAATGCAAAAATCTGATGATGAAGGCCACAGGCC
TCAGATGAAGAACAACAGGCATTCAGATGATGAAGAGGAACAGGATCATAAATCAGAATCTGCAAGAGGC
AGTGATAGTGAAGATGAAGTTTTACGAATGAAACGCAAGAATGCGATTGCATCTGATTGAGAAGCGGAT
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GATCAACAGGAAGAGGAGCCAAATCCTGAGACCAGAATAGAAGTAGAAAATACCCAAAGTAAACACTGAT
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GCCAGTTACCTGGAACCTGATCGATACGATGAGGAGGAGGAAGGCGAGGAGTCCATCAGCTTGGCTGCC
ATTA AAAACCGATATAAAGGGGGCATTGAGAGGAACGAGCCAGAATCTATTCATCAGACAGTATGAG
GGATCAGAAGAAGATAAAGCTCAAAGTACTCAAAGCAAAGAACTTACCAGTATGAGGAAGGTGAA
CCTTCCGGAAGAGAAAAGCAGAAGATGATGATAAAGCAAATAAAAAGCATAAGAAGTATGTGATCAGC
GATGAAGAGGAAGAAGATGATGAT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG239067
 Blue=ORF Red=Cloning site Green=Tag(s)

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MADMEDLFGSDADSEAERKSDSGSDSDQENASGSNASGSESDQDERGDSGQPSNKLFGDDSEDE
GASHHSGSDNHSESDNRSEASERSDHEDNDPSDQVHSGSEAPNDEDEGHRSDGGSHHSEAEGSEKA
HSDDEKRWGREDKSDQSDDEKIQNSDDEERAQGSDEDKLQNSDDDEKMQNTDDEERPQLSDDERQQLSEE
EKANSDDERPVASDNDDEKQNSDDEEQPQLSDEEKMQNSDDERPQASDEEHRHSDDEEQDHKSESARG
SDSEDEVLRMKRKNAIASDSEADSDTEVPKDNSGTMDLFGGADDISSGSDGEDKPPTPGQPVDENGLPQ
DQQEEEP IPETRIEVEIPKVNTDLGNDL YFVKLPNFLSVEPSMSLHLGNEVFDVYKAPLQGDHNLH FIR
QGTGLQQAQVFKTKL TFRPHSTDSATHRKMTLSLADRCSTQKIRILPMAGRDPECQRTEMIKKEEERL
RASIRRESQRRMRKQHQHRLSASYLEPDRYDEEEEGEESI SLAAIKNRYKGGIREERARIYSSDSDE
GSEEDKAQRLLKAKKLT SDEEGEPGSKRKAEDDDKANKKHKKYVISDEEEEDDD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIIRSNATVEHLHPMGDNDLDGFSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
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Restriction Sites:

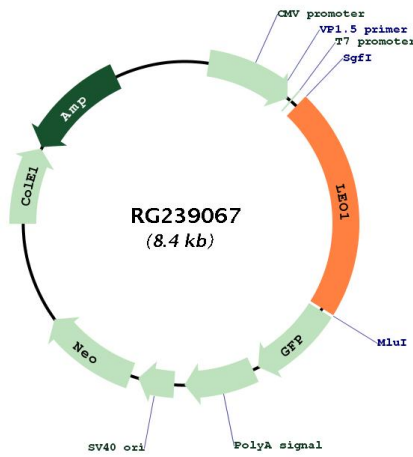
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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).
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]