

Product datasheet for **RG202274**

LEO1 (NM_138792) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LEO1 (NM_138792) 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:

>RG202274 representing NM_138792
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGATATGGAGGATCTCTTCGGGAGCGACGCCACAGCGAAGCTGAGCGTAAAGATTCTGATTCTG
GATCTGACTCAGATTCTGATCAAGAGAATGCTGCCTCTGGCAGTAATGCCTCTGGAAGTGAAAGTGATCA
GGATGAAAGAGGTGATTCAGGACAACCAAGTAATAAGGAACTGTTTGGAGATGACAGTGAGGACGAGGGA
GCTTCACATCATAGTGGTAGTGATAATCACTCTGAAAGATCAGACAATAGATCAGAAGCTTCTGAGCGTT
CTGACCATGAGGACAATGACCCCTCAGATGTAGATCAGCACAGTGGATCAGAAGCCCTAATGATGATGA
AGACGAAGGTCATAGATCGGATGGAGGGAGCCATCATTGAGAAGCAGAAGGTTCTGAAAAAGCACATTCA
GATGATGAAAAATGGGCGAGAGAAGATAAAAGTGACCAGTCAGATGATGAAAAGATACAAAATTCTGATG
ATGAGGAGAGGGCACAAGGATCTGATGAAGATAAGCTGCAGAATTCTGACGATGATGAGAAAATGCAGAA
CACAGATGATGAGGAGAGCCCTCAGCTTCCGATGATGAGAGACAACAGCTATCTGAGGAGGAAAAGGCT
AATTCTGATGATGAACGGCCGGTAGCTTCTGATAATGATGATGAGAAAACAGAATTCTGATGATGAAGAAC
AACCACAGCTGTCTGATGAAGAGAAAATGCAAAATTCTGATGATGAAAGGCCACAGGCCTCAGATGAAGA
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AGACACAGAAGATTAGAATCTTGCCAATGGCTGGTCGTGATCCTGAATGCCAACGCACAGAAATGATTAA
GAAAGAAGAAGAACGTTTGAGGGCTTCCATACGTAGGGAATCTCAGCAGCGCCGAATGAGAGAGAAACAG
CACCAGCGGGGGCTGAGCGCCAGTTACCTGGAACCTGATCGATACGATGAGGAGGAGGAAGCGGAGGAGT
CCATCAGCTTGGCTGCCATTAACACCGATATAAAGGGGGCATTGAGAGGAACGAGCCAGAATCTATTC
ATCAGACAGTGATGAGGGATCAGAAGAAGATAAAGCTCAAAGATTACTCAAAGCAAAGAAACTTACCAGT
GATGAGGAAGGTGAACCTTCCGGAAGAGAAAAGCAGAAGATGATGATAAAGCAAATAAAAAGCATAAGA
AGTATGTGATCAGCGATGAAGAGGAAGAAGATGATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202274 representing NM_138792
Red=Cloning site Green=Tags(s)

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MADMEDLFGSDADSEAEKSDSDSGSDSDSQENAASGSNASGSESDQDERGDSGQPSNKELFGDDSEDEG
ASHHSGSDNHSESDNRSEASERSDHEDNDPSDVDQHSGSEAPNDDDEGHRSDGGSHHSEAEGSEKAHS
DDEKWGREDKSDQSDDEKIQNSDDEERAQGSDEDKLQNSDDDEKMQNTDDEERPQLSDDERQQLSEEEK
NSDDERPVASDNDDEKQNSDDEEQPQLSDEEKMQNSDDERPQASDEEHRHSDDDEEQDHKSESARGSDSE
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RWRIRRDDEEGNEIKESNARIVKWSDGMSLHLGNEVFDVYKAPLQGDHNLHFIHQGTGLQGQAVFKTKLT
FRPHSTDSATHRKMTLSLADRCSTKQIRILPMAGRDPECQRTEMIKKEEERLRASIRRESQRRMREKQ
HQRGLSASYLEPDRYDEEEEGEESISLAAIKNRYKGGIREERARIYSSSDSDEGSEEDKAQRLLKAKKLT
DEEGEPSGKRKAEDDDKANKKHKYVISDEEEEDDD
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138792

ORF Size: 1998 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:

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_138792.4](#)

RefSeq Size: 2162 bp

RefSeq ORF: 2001 bp

Locus ID: 123169

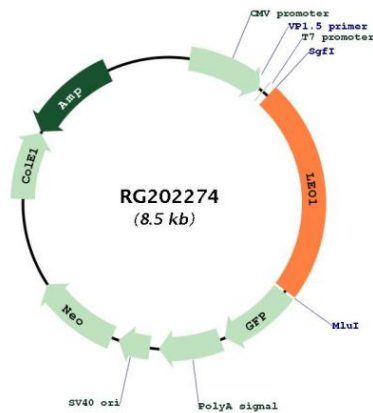
UniProt ID: [Q8WVC0](#)

Cytogenetics: 15q21.2

Domains: Leo1

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]

Product images:



Circular map for RG202274