

Product datasheet for **SC120657**

LEO1 (NM_138792) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LEO1 (NM_138792) Human Untagged Clone
Tag:	Tag Free
Symbol:	LEO1
Synonyms:	RDL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC120657 sequence for NM_138792 edited (data generated by NextGen Sequencing)

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ATGGCGGATATGGAGGATCTCTTCGGGAGCGACGCCGACAGCGAAGCTGAGCGTAAAGAT
TCTGATTCTGGATCTGACTCAGATTCTGATCAAGAGAATGCTGCCTCTGGCAGTAATGCC
TCTGGAAGTAAAAGTGATCAGGATGAAAGAGGTGATTCAGGACAACCAAGTAATAAGGAA
CTGTTTGGAGATGACAGTGAGGACGAGGGAGCTTCACATCATAGTGGTAGTGATAATCAC
TCTGAAAAGATCAGACAATAGATCAGAAGCTTCTGAGCGTTCTGACCATGAGGACAATGAC
CCCTCAGATGTAGATCAGCACAGTGGATCAGAAGCCCCTAATGATGATGAAGACGAAGGT
CATAGATCGGATGGAGGGAGCCATCATTAGAAGCAGAAGGTTCTGAAAAAGCACATTCA
GATGATAAAAATGGGCGAGAGAAGATAAAAAGTGACCAGTCAAGATGATGAAAAGATACAA
AATTCTGATGATGAGGAGAGGGCACAAGGATCTGATGAAGATAAGCTGCAGAATTCTGAC
GATGATGAGAAAAATGCAGAACACAGATGATGAGGAGAGGCCTCAGCTTCCGATGATGAG
AGACAACAGCTATCTGAGGAGGAAAAGGCTAATTCTGATGATGAACGGCCGGTAGCTTCT
GATAATGATGATGAGAAACAGAATTCTGATGATGAAGAACAACCACAGCTGTCTGATGAA
GAGAAAAATGCAAATTCTGATGATGAAAGGCCACAGGCCTCAGATGAAGAACACAGGCAT
TCAGATGATGAAGAGGAACAGGATCATAAATCAGAATCTGCAAGAGGCAGTGATAGTGAA
GATGAAGTTTTACGAATGAAACGCAAGAATGCGATTGCATCTGATTTCAGAAAGCGGATAGT
GACACTGAGGTGCCAAAAGATAATAGTGGAAACCATGGATTTATTTGGAGGTGCAGATGAT
ATCTCTTCAGGGAGTGATGGAGAAGACAAACCCTACTCCAGGACAGCCTGTTGATGAA
AATGGATTGCCTCAGGATCAACAGGAAGAGGAGCCAATTCCTGAGACCAGAATAGAAGTA
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TTTCTCAGTGTAGAGCCAGACCTTTTGATCCTCAGTATTATGAAGATGAATTTGAAGAT
GAAGAAATGCTGGATGAAGAAGGTAGAACCAGGTTAAAAATTAAGGTAGAAAAACTATA
AGATGGAGGATACGCCGAGATGAAGAAGGAAATGAAATTAAGAAAGCAATGCTCGGATA
GTCAAGTGGTCAGATGGAAGCATGTCCCTGCATTTAGGCAATGAAGTGTTTGATGTGTAC
AAAGCCCCACTGCAGGGCGACCACAATCATCTTTTATAAGACAAGGTAAGTGGTCTACAG
GGACAAGCAGTCTTTAAACGAAACTCACCTTCAGACCTCACTCTACGGACAGTGCCACA
CATAGAAAGATGACTCTGTCACTTGCAGATAGGTGTTCAAAGACACAGAAGATTAGAATC
TTGCCAATGGCTGGTCTGATCCTGAATGCCAACGCACAGAAATGATTAAGAAAGAAGAA
GAACGTTTGGGGCTTCCATACGTAGGGAATCTCAGCAGCGCCGAATGAGAGAGAAACAG
CACCAGCGGGGGCTGAGCGCCAGTTACCTGGAACCTGATCGATACGATGAGGAGGAGGAA
GGCGAGGAGTCCATCAGCTTGGCTGCCATTA AAAACCGATATAAAGGGGGCATTGAGAG
GAACGAGCCAGAATCTATTCATCAGACAGTGTGAGGGATCAGAAGAAGATAAAGCTCAA
AGATTACTCAAAGCAAAGAACTTACCAGTGTGAGGAAGGTGAACCTTCCGAAAGAGA
AAAGCAGAAGATGATGATAAAGCAAATAAAAAGCATAAGAAGTATGTGATCAGCGATGAA
GAGGAAGAAGATGATGATTGA

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Clone variation with respect to NM_138792.2

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_138792 unedited</p> <pre> TAGGGCGGCCCGGAATTCGCACGAGGCGTAAAGAGAGCCGGGAGCTGCCCTAACCGAG GCAGCAGCGGACGTGAGCGATAATGGCGGATATGGAGGATCTCTTCGGGAGCGACGCCGA CAGCGAAGCTGAGCGTAAAGATTCTGATTCTGGATCTGACTCAGATTCTGATCAAGAGAA TGCTGCCTCTGGCAGTAAATGCCTCTGGAAGTAAAAGTGATCAGGATGAAAGAGGTGATTC AGGACAACCAAGTAATAAGGAACTGTTTGGAGATGACAGTGAGGACGAGGGAGCTTCACA TCATAGTGGTAGTGATAATCACTCTGAAAGATCAGACAATAGATCAGAAGCTTCTGAGCG TTCTGACCATGAGGACAATGACCCCTCAGATGTAGATCAGCACAGTGGATCAGAAGCCCC TAATGATGATGAAGACGAAGGTCATAGATCGGATGGAGGGAGCCATCATTAGAAGCAGA AGGTTCTGAAAAAGCACATTCAGATGATGAAAAATGGGGCAGAGAAGATAAAAAGTGACCA GTCAGATGATGAAAAGATACAAAATTCTGATGATGAGGAGAGGGCACAAGGATCTGATGA AGATAAGTGCAGAAATTCTGACGATGATGAGAAAATGCAGAACACAGATGATGAGGAGAG GCCTCAGTNTCCGATGATGAGAGACAACAGCTATCTGAGGAAGAAAAGGCTAATTCTGA TGATGAACGGGCCGNTAGCTTCTGATATGATGATGAGAAAACAGAATTCTGATGATGAAG AAACACCACAGCTGTCTGATGAAGAGAAAATGCANNATTCTGATGATGAAAGGCCACACA GCCTCAGATGAAGAACAACAGGCTTTCAGATGATGAAGAGGGAACAGGGATCATAATCAG AATCTGCNAGAA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_138792 unedited</p> <pre> NNAAAATTAGGGTTNAATTGCTTTTTACATTAATAACACAAAAGCAAATCGATTCAAT TCAATCAAATAACTCATGTTTACATATTTATAACTGTACAATAAAATATATAAAATGTT TTCATATTTCACTTCAATCATCATCTTCTTCTTCTTTCATCGCTGATCACATACTTCTT ATGCTTTTTATTTGCTTTATCATCATCTTCTGCTTTTTCTTTCCGGAAGTTACACTTC CTGTTTTGTCTAAGAAAGCTGAGGGTTGGCCTTGATACCTCTCCTTTCCACTGTCTTCAT GTTTCTTTCAGCTTGGGTCTTCCCTTTTCCCAGACTCCTCATCACTGGTAAGTTTCTTT GCTTTGAGTAATCTTTGAGCTTTATCTTCTTCTGATCCCTCATCACTGTCTGATGAATAG ATTCTGGCTCGTTCCTCTCGAATGCCCCCTTATATCGGTTTTTAATGGCAGCCAAGCTG ATGGACTCCTCGCCTTCTCCTCCTCATCGATCGATCAGGTTCCAGGTAACGGCGCTC AGCCCCGCTGGTGTCTTCTCTCATTGCGGCTGCTGAGATCCCTACGTATGGAA GCCCTCAAACGTTCTTCTTTCTTAAATCAATTTCTGTGCGTTGGCATTGAGGATCACGA CCAGCCATTGGCAAGATTCTAATCTTCTGTGTCTTTGAACACCTATCTGCAAGTGACAGA GTCATCTTTCTATGTGTGGCACTGGCCGTAGAGTGAAGTCTGAAAGTGAGTTTCGTTTTA AAAAGTGTGTCCTGTAGCCAGTACCTTGTCTTTTAAAAAGATAATTGTGGTCCCCC TGCATGGGGCTTTTGACCATAAAACCCTTATTGCCTAAAGGCCGGGCTTGCCTCN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_138792
Insert Size:	2500 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:	<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:	<u>NM_138792.2</u> , <u>NP_620147.1</u>
RefSeq Size:	2162 bp
RefSeq ORF:	2001 bp
Locus ID:	123169
UniProt ID:	<u>Q8WVC0</u>
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]