

Product datasheet for **SC116651**

LAD1 (NM_005558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAD1 (NM_005558) Human Untagged Clone
Tag:	Tag Free
Symbol:	LAD1
Synonyms:	LadA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116651 sequence for NM_005558 edited (data generated by NextGen Sequencing)

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ATGGCTGTCAGCAGGAAGGACTGGTCCGCGCTGTCCAGCCTTGCCCGGCAGAGGACTCTG
GAGGATGAGGAGGAACAGGAGCGCGAGCGCAGGCGGGCACCAGCAACCTGAGCTCCACC
ACGGACGATGAGGCTCCCAGGCTCAGCCAGAATGGAGACCGGCAGGCCTTGCTTCTGAG
AGACTACCGAGCGTGAAGAAGCAGAGGTGCCAAGCCACTGCCCCAGCCTCCAAGAT
GAGGACGAGGACATCCAGAGCATCCTCAGAACACGGCAGGAGCGGAGGCAGAGGCGGACG
GTGGTGGAGGCTGCACAGGCCCCCATCCAGGAGAGGCTGGAGGCAGAGGAGGGGAGGAAC
AGCTTGAGCCCTGTGCAGGCCACACAGAAACCCCTAGTCTCCAAGAAGGAACTGGAAATC
CCACCTCGCCGGAGACTGAGTCGGGAACAGCGGGGCCCTGGGCCCTGGAGGAGGAGAGC
TTGGTGGGAGGAGCCAGAAGAGAGGAAGAAAGGGGTTCCAGAAAAGTCCCAGTCTTG
GAGAAATCCTCCATGCCAAAGAAGACGGCACCTGAAAAGAGCCTGGTCTCCGATAAAACC
TCCATCTCTGAGAAGGTGCTGGCCTCAGAGAAGACATCTATCAGAGAAGATAGCAGTG
TCAGAGAAAAGAAACAGCTCAGAGAAGAAGTCTGTTCTAGAAAAAACAGTGTCTCTGAG
AAGTCGCTGGCCCAAGGATGGCACTGGGCTCAGGAAGGAGGCTGGTGTCTGAGAAAGCT
TCCATCTTTGAGAAGGACTGGCCTCAGAGAAGAGCCAACTGCAGATGCTAAGCCGGCC
CCAAAGAGGGCCACAGCCTCAGAGCAGCCCTGGCGCAGGAGCCGCCAGCCTCTGGGGGA
AGCCCAGCCACCACCAAGGAGCAGAGAGGAAGGGCCCTCCCTGGGAAGAACCTGCCTCT
TTGGCAGAGCAGGGGGCTTCAGACCCTCCGACTGTGGCTCCCGCCTCCCACCCGTCACA
CTCCAGGTGAAAATCCCCAGCAAGGAGGAAGAGGCAGATATGTCCTCACCCACACAGCGA
ACCTACAGCAGCTCCCTCAAACGCTCCAGCCCCAGGACCATCTCCTTTGCGATGAAACCC
AAGAAAAGAAAACTCGGAACAACCCTAACTCGCAGTGCCAGCATGAAGCTCCCAGACAAC
ACAGTGAAGTTGGGAGAGAAGCTGGAGAGATACCACACGGCCATACGGAGATCAGAACT
GTCAAGTCTCGGGTCTGCCTTGCACTGAGTTATTCGTGGCTCCTGTGGGTGTAGCCAGC
AAGCGCCACCTCTTTGAGAAGGAACTGGCGGGCCAGAGCCGAGCAGAACCAGCCTCCAGC
CGGAAGGAGAAGTGGAGCTCTCAGGGTGTGACATCAAGGCTCAACCTGTGGATCAGC
AGGACCCAGGAATCTGGAGATCAGGACCCCAAGGAGGCACAGAAAGCATCATCTGCAACC
GAGAGGTCTCAGTGGGACAGAAATCTGACTCCTCGCTGGACGCTGAGGTGTGA
    
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Clone variation with respect to NM_005558.3
 546 g=>a;967 a=>g;1507 a=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005558 unedited
CGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCAGTGTCTGCGGCCTCGCGGCC
GGGCCGGCCTGGGCTGCAATCAATGCGGCTTTGTCTGGGACGCCACATCCCAGAGGCCA
TTCCCAGGTCGGCAAATCGGAGCGCGCCGGGGCGCGGGGGTGAGATAAGCGGCCATG
TGATCCCACCTGGGCTGGAAGGGGAGGGCGCCAGGTGAGGCGGGCGCCGGGGGGCGCG
GGCGGCCACGCGGGCTCCTGCAGCATGGCTGTACAGAGGAAGGACTGGTCCGCGCTGTC
CAGCCTTGCCCGGCAGAGGACTCTGGAGGATGAGGAGGAACAGGAGCGGAGCGCAGGCG
GCGGCACCCGAACCTGAGCTCCACCACGGACGATGAGGCTCCCAGGCTCAGCCAGAATGG
AGACCGGCAGGCCTCTGCTTCTGAGAGACTACCGAGCGTGAAGAAGCAGAGGTGCCAA
GCCACTGCCCCAGCCTCCAAGATGAGGACGAGGACATCCAGAGCATCCTCAGAACACG
GCAGGAGCGGAGGCANAGGCGGCAGGTGGTGGAGGCTGCACAGGCCCCCATNCCAGAGAG
GCTGGAGGCANAGGAGGGGAGGAACAGCTTGAGCCCTGTGCANGCCACACAGAAACCCCT
AGTCTCCAAGAAGAACTGGAATCCCACCTCGCCGGAGACTGAGTCGGGAACAGCGGGGC
CCCTGGGCCCTGNAGGAGAGAGCTTGGTGGCAGGNAGCCANAANNAGAGAGAAAGGGNG
TCCAGANAGTCCCAGTCTTGAGAATCCTNCATGCCAAAGAGACGGCACCCCTGAAAGAG
CTGGTNNCTCGATAAACCTNCTCTCTGAGAAGGTGCTGGCCNAGAGAAGACATCNTATCA
GAGAGAAAGCAGTGTGAGAGAAGAAGCAGCTAGAAGAAGAGTCTGTCTAGAAAACCCATG
CTCTGAGAGTCGCTGCCCGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005558 unedited GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTAGAGTAAATGAGTTTATCAGAT CCTTCCTGAGAACAGGTTTTTCAGAGAAAGGGTAAGTGGTTGCACACAAAAGGCACTTA TCTCCTGGCCATGGCAGCCGCCAGGGAAGGGAGGGGAGAACCAAGCAGGGAGACGGGGC ACAGGGAAGACGCACGGCAGCTCCTTCTCCCCTGGCCAGAGCGGGCCTCAGTGGCTGGGA GCAGGCCCCAGGGACAAAGATGGGTGGGTCCAGGCCTCAGAGAAGGGGGACATCATAGAC AAAGAGGCACCTTGTGGGAGCCGATGAGACAGGTGACTCTGGAGTTCTTGAGGGGCGCCG TGCCCTGACTGTGGATGTGAGCAGGAAGGAGCATAGGTCTCTGGCAGGACATAGGCCCC ATAGTGCTGATGTGCACTTGTGCTGTGACTGAGCAGAGACTGGGTCCCAGCATCTGTTG TGCCTGCCGAGGGTGAGAAAGTCCCAGCCCCAAGAAGCTGGGCTGGGAAGGAGCTGGCT GAGTCTTGCAAATATTCCTGACCCAGGGACCCTGGCCAAACAGATCCACAGGCAAAAAG GGAACAGGGACAATGATAGGAAAGGGTGTGCTGTGATATGCAAGGGCCTGGCATGATGG ATGTCCCTTGAGACGAAAACCTGCANGTCTGTCTTGGCGGGGCTTGTACACCTCAGCGT CCAGCGAGGAGTCAGATTTCTGTCCCCTGAGACCTCTCGGNTGCAAATGATGCTCTCTG TGCCCTCTGAGGGTCTCGATCTCAGATTCCTGGGTCTGCTGATCCAAAGTTGAGCCCT GATTGTCCACCCCTGAGAACCTCAAGTCTCCTTCCGCTGGAAGCTGTTCTGCTCGTTCT GCCCCATTTCTTTCAAAGAGTGGGGCTGCTGGCTCCCCACAGGACCCGATTACTATGGA GGGCACCCCGACTGAAGATTCGACTCGTGG
Restriction Sites:	NotI-NotI
ACCN:	NM_005558
Insert Size:	2400 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_005558.3, NP_005549.2</u>
RefSeq Size:	2869 bp
RefSeq ORF:	1554 bp
Locus ID:	3898
UniProt ID:	<u>O00515</u>
Cytogenetics:	1q32.1
Protein Families:	Secreted Protein

Gene Summary:

The protein encoded by this gene may be an anchoring filament that is a component of basement membranes. It may contribute to the stability of the association of the epithelial layers with the underlying mesenchyme. [provided by RefSeq, Jul 2008]