

Product datasheet for **RG213031**

LAD1 (NM_005558) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAD1 (NM_005558) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LAD1
Synonyms:	LadA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG213031 representing NM_005558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGTCAGCAGGAAGGACTGGTCCGCGCTGTCCAGCCTTGCCCGGCAGAGGACTCTGGAGGATGAGG
 AGGAACAGGAGCGGAGCGCAGGCGGCGCACCGCAACCTGAGCTCCACCACGGACGATGAGGCTCCAG
 GCTCAGCCAGAATGGAGACCGGCAGGCCTCTGCTTCTGAGAGACTACCGAGCGTGAAGAAGCAGAGGTG
 CCCAAGCCACTGCCCCAGCCTCCAAGATGAGGACGAGGACATCCAGAGCATCCTCAGAACACGGCAGG
 AGCGGAGGCAGAGGCGCAGGTGGTGGAGGCTGCACAGGCCCCCATCCAGGAGAGGCTGGAGGCAGAGGA
 GGGGAGGAACAGCTTGAGCCCTGTGCAGGCCACACAGAAACCCCTAGTCTCCAAGAAGGAACTGGAAATC
 CCACCTCGCCGGAGACTGAGTCGGGAACAGCGGGGCCCTGGGCCCTGGAGGAGGAGCTTGGTGGGCA
 GGGAGCCAGAAGAGAGGAAGAAAGGGTTCCAGAAAAGTCCCAGTCTTGAGAAGTCTCCATGCCAAA
 GAAGACGCACCTGAAAAGAGCCTGGTCTCCGATAAAACCTCCATCTCTGAGAAGGTGCTGCCTCAGAG
 AAGACATCTCTATCAGAGAAGATAGCAGTGTAGAGAAAAGAAACAGCTCAGAGAAGAAGTCTGTTCTAG
 AAAAAACCAAGTGTCTCTGAGAAGTCGCTGGCCCAAGGATGGCACTGGGCTCAGGAAGGAGGCTGGTGT
 TGAGAAAGCTTCCATCTTTGAGAAGGCACTGGCCTCAGAGAAGAGCCCAACTGCAGATGCTAAGCCGGCC
 CCAAGAGGGCCACAGCCTCAGAGCAGCCCTGGCGCAGGAGCCGCCAGCCTCTGGGGGAAGCCAGCCA
 CCACCAAGGAGCAGAGAGGAAGGGCCCTCCCTGGGAAGAACTGCCCTCTTTGGCAAAGCAGGGGGCTTC
 AGACCTCCGACTGTGGCCTCCCGCCTCCACCCGTCACACTCCAGGTGAAAATCCCAGCAAGGAGGAA
 GAGGCAGATATGCTCCACCCACACAGCGAACCTACAGCAGCTCCCTCAAACGCTCCAGCCCAAGGACCA
 TCTCCTTTCGGATGAAACCCAAGAAAGAAAACCTCGAAACAACCTAACTCGCAGTGCAGCATGAAGT
 CCCAGACAACACAGTGAAGTTGGGAGAGAACTGGAGAGATACCACACGGCCATACGGAGATCAGAACT
 GTCAAGTCTCGGGTCTGCCTTGCAGTGTATTTCGTGGCTCCTGTGGGTGTAGCCAGCAAGCGCCACC
 TCTTTGAGAAGGAACTGGCGGGCCAGAGCCGAGCAGAACCAGCCTCCAGCCGGAAGGAGAACTTGAGGCT
 CTCAGGGGTTGTGACATCAAGGCTCAACCTGTGGATCAGCAGGACCCAGGAATCTGGAGATCAGGACCC
 CAGGAGGCACAGAAAGCATCATCTGCAACCGAGAGGACTCAGTGGGGACAGAAATCTGACTCCTCGCTGG
 ACGCTGAGGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG213031 representing NM_005558
 Red=Cloning site Green=Tags(s)

MAVSRKDWSSALSSLARQRTLEDEEEQERERRRRHRNLSSTTDDEAPRLSQNGDRQASASERLPSVEEAEV
 PKPLPPASKDEDEDIQSILRTRQERRRRQVVEAAQAPIQERLEAEEGRNSLSPVQATQKPLVSKKELEI
 PPRRRLSREQRGPWALEEESLVGREPEERKKGVPKSPVLEKSSMPKKAPEKSLVSDKTSISEKVLASE
 KTSLSSEKIAVSEKRNSSSEKSVLEKTSVSEKSLAPGMALGSGRRLVSEKASIFEKALASEKSPTADAKPA
 PKRATASEQPLAQEPASGGSPATTKEQRGRALPGKNLPSLAKQGASDPPTVASRLPPVTLQVKIPSKEE
 EADMSSPTQRTYSSSLKRSSPRTISFRMKPKKENSETTLTRSASMKLPDNTVKLGEKLERYHTAIRRSES
 VKSRGLPCTELFVAPVGVASKRHLFEKELAGQSRAPASSRKENLRLSGVVTSSLNLWISRTQESGDQDP
 QEAQKASSATERTQWGQKSDSSLDAEV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_005558
ORF Size:	1551 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_005558.4
RefSeq Size:	2869 bp
RefSeq ORF:	1554 bp
Locus ID:	3898
UniProt ID:	O00515
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]