

Product datasheet for **SC304185**

LPHN1 (ADGRL1) (NM_014921) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LPHN1 (ADGRL1) (NM_014921) Human Untagged Clone
Tag: Tag Free
Symbol: LPHN1
Synonyms: C1RL1; CL1; LEC2; LPHN1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_014921 edited
 ATGGCCCCCTAGCCGAGTGCTCTGGAATCTGTGTGTCACCCCGTCTGGTCACTCG
 GCCACCAAGGCTGAGCCGGCCGGCTCCCGTTCGGGTGATGCGCCGGGAGCTGGCG
 TGTGAAGGCTACCCCATCGAGCTGCGGTGCCCGCAGCGACGTATCATGGTGGAGAAT
 GCCAACTACGGGCGCACGGACGACAAGATTTGCGATGCTGACCCTTCCAGATGGAGAAT
 GTGCACTGCTACCTGCCGACGCCTTCAAGATCATGTCACAGAGGTGTAACAACCGCACC
 CAGTGCCTGGTGGTGGCGGCTCGGATGCCTTTCCTGACCCTGTCTGGGACCTACAAG
 CACCTGGAGGTGCACTGACTGTGTCCCTACATCTTCGTGTGCCAGGGACCTGCAG
 AAGGTGCTGGAGCCACCTCGACACAGAGTCAGAGCACCAGTCTGGCGCATGGTGAAG
 GACCCGCTGCAGGCGGTGACCGCATCTACGTGATGCCCTGGATCCCCTACCGCACGGAC
 ACTGACTGAGTATGCCTCGTGGGAGGACTACGTGGCCGCCGCCACACCACCTAC
 CGCTGCCCAACCGCTGGATGGCACAGGCTTTGTGGTCTACGATGGTGGCGTCTTCTAC
 AACAAGGAGCGCACGCGCAACATCGTCAAGTATGACCTACGGACGCGCATCAAGAGCGGG
 GAGACGGTCATCAATACCGCAACTACCATGACACCTCGCCCTACCGCTGGGGCGGAAAAG
 ACCGACATTGACCTGGCGGTGGACGAGAACGGGCTGTGGGTCACTACGCCACTGAGGGC
 AACAACGGGCGGCTGGTGGTGGAGCCAGTGAACCCCTACACACTGCGCTTTGAGGGCAGC
 TGGGAGACGGGTACGACAAGCGCTCGGCATCCAACGCCTTTCATGGTGTGGGGTCTGT
 TACGCTCGCTGCGTTCGGTGTACGTGGATGATGACAGCGAGGCGGCTGGCAACCGCTGGAC
 TATGCCCTCAACACCAATGCCAACCGGAGGAGCCTGTCAGCCTCACCTTCCCCAACCCC
 TACCAGTTCATCTCCTCGTTGACTACAACCCTCGCGACAACCAGCTGTACGTCTGGAAC
 AACTATTTCTGTGGTGGCTACAGCCTGGAGTTCGGGCCGCCGCCAGCCAGTGTGGCCCA
 GCCACTTCCCCACCCCTCAGCACGACCACAGCCAGGCCACGCCCTCACCAGCACA
 GCCTCGCCCGCAGCCACCACCCCGCTCCGCCGGGACCCCTCACCACGCACCCAGTGGGT
 GCCATCAACCAGCTGGGACCTGATCTGCCTCCAGCCACAGCCCCAGTCCCAGCACCCGG
 CGGCCCCAGCCCGAATCTACAGTGTCCCTGAGCTTCTTGCAGCCCCGAGAGGTA
 CGGCGGGTCCAGTGGCCGCCACCCAGCGGCATGCTGGTGGAGAGGCCCTGCCCAAG
 GGGACTCGAGGAATTGCCTCCTTCCAGTGTCTACCAGCCTTGGGGCTCTGGAACCCCGG



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GGCCCTGACCTCAGCAACTGCACCTCCCCCTGGGTCAACCAGGTGGCCCGAAGATCAAG
 AGTGGGGAGAACGCGCCAACATCGCCAGCGAGCTGGCCCGACACCCCGGGCTCCATC
 TACGCGGGGACGTCTCCTCCTGTGAAGCTGATGGAGCAGCTGCTGGACATCCTGGAT
 GCCCAGCTGCAGGCCCTGCGGCCATCGAGCGCGAGTCAGCCGGCAAGAACTACAACAAG
 ATGCACAAGCGAGAGAGAACTTGAAGGATTATATCAAGGCCGTGGTGGAGACAGTGGAC
 AATCTGCTCCGGCCAGAAGCTCTGGAGTCTGGAAGACATGAATGCCACGGAGCAGGTG
 CACACGGCCACCATGCTCCTCGACGTCTGGAGGAGGGCGCTTCTGCTGGCCGACAAT
 GTCAGGGAGCCTGCCCGCTTCTGGCTGCCAAGGAGAACGTGGTCTGGAGGTACAGTC
 CTGAACACAGAGGGCCAGGTGCAGGAGTGGTGTCCCCACAGGAGTACCCGAGAAAAG
 AACTCCATCCAGCTGTCTGCCAAAACCATCAAGCAGAACAGCCGCAATGGGGTGGTCAA
 GTTGTCTTCACTCTACAACAACCTGGGCCTTCTCTGTCCACGGAGAATGCCACAGTG
 AAGCTGGCCGGCAAGCAGGCCCGGGTGGCCCTGGGGGCGCTCTCTAGTGGTGAACCA
 CAGGTCATCGCAGCATCCATCAACAAGGAGTCCAGCCGCTTCTCTCATGGACCCTGTC
 ATCTTCACCGTGGCCACCTGGAGGACAAGAACCATTCAATGCTAACTGCTCCTTCTGG
 AACTACTCGGAGGTTCCATGCTGGGCTACTGGTCCAGCCAAGGTGCCGCTGGTGGAG
 TCCAACAAGACCCATACCACGTGTGCCTGCAGCCACCTACCAACTTCGCTGTGCTCATG
 GCTCACCGTGAGATCTACCAGGGCCGCATCAACGAGCTGCTGCTGTGGTTCATCACCTGG
 GTGGGCATTGTGATCTCCCTGGTCTGCTTGGCCATCTGCATCTCCACCTTCTGCTTCTG
 CGGGGGTGCAGACCGACCGCAACACCATCCACAAGAACCTGTGCATCAACCTCTTCTG
 GCTGAGCTGCTTCTGGTCCGGATCGACAAGACTCAGTATGAGATTGCCTGCCCATC
 TTCGCGGCTGCTGCACTATTTCTTCTGGCTGCCTTCTCTGGCTGTGCTGGAGGGC
 GTGCACCTCTACCTGCTACTAGTGGAGGTGTTGAGAGCGAGTATTCCCGCACAAGTAC
 TACTACTGGGTGGTACTGCTTCCCGCCCTGGTGGTGGGCATCGCGGCTGCCATTGAC
 TACCGCAGCTACGGCACCGAGAAGGCTGCTGGCTCCGAGTGGACAATTACTTCATCTGG
 AGTTTCATCGGGCAGTCTCCTTCGTTATCGTGGTCAACCTGGTGTCTCTCATGGTGACC
 CTGCACAAGATGATCCGAAGCTCATCTGTGCTCAAGCCGACTCCAGCCGCTGGACAAC
 ATTAATCCTGGGCGCTGGGGCCATCGCGCTGCTGTTCTGCTGGGCTCACCTGGGCT
 TTCGGCTCCTTTCATCAACAAGGAGTCGGTGGTTCATGGCTATCTCTTACCACCTTC
 AACGCCTCCAGGGGTCTTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT
 AAGGAGTACAGCAAGTGCCTGCGTCACTCTACTGCTGCATCCGCTCCCCACCCGGGGC
 ACTCACGATCCCTCAAGACCTCAGCCATGCGAAGCAACACCCGCTACTACACAGGGACC
 CAGAGCCGAATTCGGAGGATGTGAATGACACTGTGAGGAAACAGACGGAGTCTCCTTC
 ATGGCGGGTGACATCAACAGCACCCACCCCTGAACCGAGGTACCATGGGGAACCACTG
 CTGACCAACCCCGTGTGCAGCCCGTGGGGGACCCAGTCCCTACAACACCCCTCATCGCC
 GAGTCAGTGGGCTTAATCCCTCCTCGCCCCCTGCTTCAACTCCCCAGGGAGTACCGG
 GAACCAAGCACCCCTTGGGAGGCGGGGAAGCCTGTGGCATGGACACCCTGCCCTGAAC
 GGCAACTCAATAACAGTTACTCCTTGCAGAGTGGGATTTCCCTCCCGGGATGGGGG
 CCTGAGCCGCCCCGAGGCCGGAACCTAGCCGATGCGGCGGCTTTGAGAAGATGATCATC
 TCAGAGCTGGTGCACAACAACCTGCGGGGAGCAGCAGCGCGGCAAGGGCCCTCCACCG
 CCTGAGCCCCCTGTGCCACCTGTGCCAGGGGCGGGGGCAGGAAGAGGCGGGCGGGCCC
 GGGGGTGTGACCGGGCCGAGATTGAACTTCTCTATAAGGCCCTGGAGGAGCCTCTGCTG
 CTGCCCGGGCCAGTCCGTGCTGTACCAGAGCGATCTGGACGAGTCGGAGAGTGCACG
 GCCGAGGACGGCGCCACCAGCCGGCCCTCTCCTCCCCTCTGGCCGGGACTCCCTCTAT
 GCCAGCGGGGCAACCTGCGGGACTCACCTCCTACCCGACAGCAGCCCTGAGGGGCC
 AGTGAGGCCCTGCCCCACCCCTCCCGCACCCCGGCCCGCCCGAAATCTACTACACC
 TCGCGCCCGCCAGCCCTGGTGGCCCGAATCCCTGCAGGGCTACTACCAGGTGCGGCGT
 CCTAGCCACGAGGGCTACCTGGCAGCCCAAGCCTTGGAGGGCCAGGGCCGATGGGGAC
 GGCAGATGCAGCTGGTACCAGTCTCTGA

Restriction Sites:

Please inquire

ACCN:

NM_014921

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_014921.3 , NP_055736.2
RefSeq Size:	7871 bp
RefSeq ORF:	4410 bp
Locus ID:	22859
UniProt ID:	O94910
Cytogenetics:	19p13.12
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes a member of the latrophilin subfamily of G-protein coupled receptors (GPCR). Latrophilins may function in both cell adhesion and signal transduction. In experiments with non-human species, endogenous proteolytic cleavage within a cysteine-rich GPS (G-protein-coupled-receptor proteolysis site) domain resulted in two subunits (a large extracellular N-terminal cell adhesion subunit and a subunit with substantial similarity to the secretin/calcitonin family of GPCRs) being non-covalently bound at the cell membrane. Latrophilin-1 has been shown to recruit the neurotoxin from black widow spider venom, alpha-latrotoxin, to the synapse plasma membrane. Alternative splicing results in multiple variants encoding distinct isoforms.[provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2) compared to isoform 1.</p>