

## Product datasheet for **SC318630**

### LPHN3 (ADGRL3) (NM\_015236) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LPHN3 (ADGRL3) (NM_015236) Human Untagged Clone
Tag:	Tag Free
Symbol:	LPHN3
Synonyms:	CIRL3; CL3; LEC3; LPHN3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_015236 edited  
 ATGTGGCCATCGCAGCTACTAATTTTCATGATGCTCTTAGCTCCAATAATTCATGCTTTC  
 AGCCGTGCCCAATTCCAATGGCTGTGGTCCGCAGAGAGCTATCCTGTGAGAGCTATCCT  
 ATAGAGCTTCGCTGTCCAGGAACAGACGTCATCATGATAGAAAAGTGCCAACTATGGCAGG  
 ACTGATGACAAAATTTGTGACTCTGACCCTGCTCAGATGGAGAATATCCGATGTTATCTG  
 CCAGATGCCTATAAGATTATGTCTCAAAGATGCAATAACAGAACCAGTGTGCAGTGGT  
 GCAGGTCTGATGTTTTCCAGACCCGTGTCCAGGAACCTATAAATACCTTGAAGTGCAG  
 TATGAATGTGCCCTTACAAAAGTGAACAAAAAGTTTTCTTTGCTGGACTACTAAAA  
 GGAGTATACCAGAGTGAACATTTGTTTGAGTCCGACCACCAATCTGGGGCGTGGTGCAAA  
 GACCTCTGCAGGCATCTGACAAGATTTATTATATGCCCTGGACTCCCTACAGAAGTAT  
 ACCCTGACTGAGTATTCATCCAAGGATGACTTCATTGCTGGAAGACCAACTACAACCTAC  
 AAGCTCCCTCACAGGGTGGATGGCACAGGATTTGTAGTGTATGATGGAGCTTTGTTCTTC  
 AACAAAGAGCGCACCCAGGAACATAGTAAAGTTTGATTTGCGGACTAGGATAAAGAGTGGA  
 GAGGCTATCATAGCAAATGCCAATTACCATGATACCTCCCTTACCGATGGGGAGGCAAA  
 TCTGACATAGACCTGGCAGTAGATGAGAATGGGCTATGGGTAATCTATGCAACAGAAACA  
 ACAAATGGTAAAATTGTCATTAGTCAATTGAACCTTACACCCTACGGATCGAAGGAACA  
 TGGGATACTGCATATGATAAAAAGTTCAGCTTCCAATGCCTTTATGATTTGTGGAATCTG  
 TATGTGGTCAAATCTGTATATGAGGATGATGACAATGAGGCTACTGAAAATAAGATTGAC  
 TACATTTACAACACTGACCAAAGCAAGGATAGTTTGGTGGATGTACCTTTCCCTAATTCA  
 TACCAGTACATTGCAGCTGTGGATTACAACCCAGGGACAACCTACTTTATGTATGGAAT  
 AACTATCACGTCGTGAAATATTCTTTGGATTTTGGACCTCTGGATAGTAGATCAGGGCAG  
 GCACATCATGGACAAGTTTCATACATTTCTCCGCCAATTCACCTTACTCTGAGCTAGAA  
 AGACCCTCTGTTAAAGATATCTCTACCACAGGACCTCTTGGCATGGGAAGCACTACCACC  
 AGTACCACCTTCGGACCACAACCTTTGAGCCCAGGAAGGAGTACCACCCCGTCAGTGCA  
 GGAAGAAGAAACCGGAGTACTAGTACCCCATCTCCAGCTGTCGAGGACTTGTGATGACATG  
 ACCACACACCTTCCATCAGCATCGTCCCAATCCAGCTCTCGAAGAGAGCTGTGAGGCT  
 GTGGAAGCCCGAGAAATCATGTGGTTTAAAGACTCGTCAAGGACAGATAGCAAAGCAGCCA



[View online »](#)

TGCCCTGCAGGA ACTATAGGTGTATCAACTTATCTATGCCTTGCTCCTGATGGAATTTGG  
 GATCCCCAAGGTCCAGATCTCAGCAACTGTTCTTCTCCTTGGGTCAATCATATAACACAG  
 AAGTTGAAATCTGGTGAAACAGCTGCCAACATTGCTAGAGAGCTGGCTGAACAGACAAGA  
 AATCACTTGAATGCTGGGGACATCACCTACTCTGTCCGGGCCATGGACCAGCTGGTAGGC  
 CTCCTAGATGTACAGCTTCGGAACCTTGACCCAGGTGGAAAAGATAGTGTGCCCGGAGT  
 TTGAACAAGCTTCAGAAAAGAGAGCGCTTTGCAGAGCCTATGTCCAGGCAATGGTCGAG  
 ACAGTTAAACAACCTCCTTCAGCCACAAGCTTTGAATGCATGGAGAGACCTGACTACGAGT  
 GATCAGCTGCGTGCGGCCACCATGTTGCTTCATACTGTGGAGGAAAGTGCTTTTGTGCTG  
 GCTGATAACCTTTTGAAGACTGACATTGTGAGGAGAATACAGACAATATTAAATTTGGAA  
 GTTGCAAGACTGAGCACAGAAGGAACTTAGAAGACCTAAAAATTTCCAGAAAACATGGGC  
 CATGGAAGCACTATCCAGCTGTCTGCAAAACCTTAAAGCAAAATGGCCGAAATGGAGAG  
 ATCAGAGTGGCCTTTGCTGTATAACAACCTGGGTCCTATTTATCCACGGAGAATGCC  
 AGTATGAAGTTGGGAACGGAAGCTTTGTCCACAAATCATTCTGTTATTGTCAATCCCCT  
 GTTATTACGGCAGCAATAAACAAAGAGTTCAGTAACAAGTTTATTTGGTGATCCTGTG  
 GTATTTACTGTTAAACATATCAAGCAGTCAGAGGAAAATTTCAACCTAAGTGTTCATTT  
 TGGAGCTACTCCAAGCGTACAATGACAGGTTATTGGTCAACACAAGGCTGTCCGGCTCCTG  
 ACAACAAATAAGACACATACTACATGCTTTGTAACCACCTAACAAATTTTGCAGTACTG  
 ATGGCACATGTGGAAGTTAAGCACAGTGTGCGGTCCATGACCTCCTTCTGGATGTGATC  
 ACGTGGGTTGGAATTTGCTGTCCCTTGTGTTGCTCCTGATTTGCATCTTACATTTTGC  
 TTTTCCGGGGCTCCAGAGTGACCGTAACACCATCCACAAGAACCTCTGCATCAGTCTC  
 TTTGTAGCAGAGCTGCTTCTGATTGGGATCAACCGAACTGACCAACCAATTGCCTGT  
 GCTGTTTTGCTGCCCTTTACATTTCTTCTTCTTGGCTGCCTTACCTGGATGTTCTCTG  
 GAGGGGTTGCAGCTTTATATCATGCTGGTGGAGGTTTTTGGAGTGAACATTACAGTGA  
 AAATACTTTTATCTGGTGGCTATGGGATGCTGCACTATTGTGGCTGTGTCAGCTGCA  
 GTAGACTACAGGAGTTATGGAACAGATAAAGTATGTTGGCTCCGACTTGACACCTACTTC  
 ATTTGGAGTTTTATAGGACCAGCAACTTTGATAATTATGCTTAATGTAATCTTCTTGGG  
 ATTGCTTTATATAAAATGTTTCATCATACTGCTATACTGAAACCTGAATCAGGCTGTCTT  
 GATAACATCAACTATGAGGATAACAGACCCTTCATCAAGTCATGGGTTATAGGTGCAATA  
 GCTCTTCTGCTATTAGGATTGACCTGGCCTTTGGACTCATGTATATTAATGAAAGC  
 ACAGTCATCATGGCCTATCTCTTACCATTTTCAATTCTCTACAGGGAATGTTTATATTT  
 ATTTTCCATTGTGCTCCTACAGAAGAAGGTACGAAAAGAGTATGGGAAATGCCTGCGAACA  
 CATTGCTGTAGTGGCAAAAGTACAGAGAGTTCATTGGTTCCAGGAAAACATCTGTTTCT  
 CGAACTCCTGGACGCTACTCCACAGGCTCACAGAGCCGAATCCGTAGAATGTGGAATGAC  
 ACGGTTGAAAAGCAGTCAGAGTCTTCTTTATTACTGGAGACATAAACAGTTCAGCGTCA  
 CTCAACAGAGAGGGGCTTCTGAACAATGCCAGGGATACAAGTGTGATGGATACTTACCA  
 CTGAATGGTAACCATGGCAATAGTTACAGCATTGCCAGCGGCAATACCTGAGCAACTGT  
 GTGCAATCATAGACCGTGGCTATAACCATAACGAGACCGCCCTAGAGAAAAAGATTCTG  
 AAGGAACTCACTTCCAATATATCCCTTCTTACCTGAACAACCATGAGCGCTCCAGTGAA  
 CAGAACAGGAATCTGATGAACAAGCTGGTGAATAACCTTGGCAGTGAAGGGAAGATGAT  
 GCCATTGCTGATGATGCCACCTCGTTTAAACCACGAGGAGAGTTTTGGCCTGGAACCTC  
 ATTCATGAGGAATCTGATGCTCCTTTGCTGCCCAAGAGTATACTCCACCGAGAACCAC  
 CAGCCACACCATTATACCAGAAGGCGGATCCCCAAGACCACAGTGAAGGCTTTTTCCCT  
 TTGCTAACCAACGAGCACACAGAAGATCTCCAGTACCCCATAGAGACTCTCTATAACC  
 AGCATGCCGACTGGCTGGTGTGGCCGCCACAGAGAGTGTACCACCAGCACCCAGACC  
 GAACCCCAACCGCCAAATGTGGTGTGCCGAAGATGTTTACTACAAAAGCATGCCAAAC  
 CTAGGCTCCAGAAACCAGTCCATCAGCTGCATACTTACTACCAGCTAGGTGCGGCGAGC  
 AGTGATGGATTTATAGTTCCTCCAACAAGATGGGACCCCTCCCGAGGGAAGTTCAAAA  
 GGACCGGCTCATTGCTACTAGTCTATAG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_015236

<b>Insert Size:</b>	5200 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015236.4</a> , <a href="#">NP_056051.2</a>
<b>RefSeq Size:</b>	6141 bp
<b>RefSeq ORF:</b>	4410 bp
<b>Locus ID:</b>	23284
<b>UniProt ID:</b>	<a href="#">Q9HAR2</a>
<b>Cytogenetics:</b>	4q13.1
<b>Domains:</b>	GPS, 7tm_2, Gal_Lectin, HormR, OLF, Latrophilin
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane

**Gene Summary:**

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. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an in-frame coding exon in the 5' region compared to variant 1. The resulting isoform (2) is shorter missing an internal protein segment compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.