

Product datasheet for **SC316866**

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:	ADGRL3
Synonyms:	CIRL3; CL3; LEC3; LPHN3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015236, the custom clone sequence may differ by one or more nucleotides

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ATGTGGCCATCGCAGCTACTAATTTTCATGATGCTCTTAGCTCCAATAATTCATGCTTTC
AGCCGTGCCCAATTCCAATGGCTGTGGTCCGCAGAGAGCTATCCTGTGAGAGCTATCCT
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GCAGGTCTGATGTTTTCCAGACCCGTGTCCAGGAACCTATAAATACCTGAAGTGCAG
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GGAAGAAGAAACCGGAGTACTAGTACCCCATCTCCAGCTGTGAGGACTTGTGATGACATG
ACCACACACCTTCCATCAGCATCGTCCCAAATCCAGCTCTCGAAGAGAGCTGTGAGGCT

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GTGGAAGCCCGAGAAATCATGTGGTTTAAAGACTCGTCAAGGACAGATAGCAAAGCAGCCA
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 CATTGCTGTAGTGCCAAAAGTACAGAGAGTTCATTGGTTTCAGGGAAAACATCTGGTTCT
 CGAACTCCTGGACGCTACTCCACAGGCTCACAGAGCCGAATCCGTAGAATGTGGAATGAC
 ACGGTTTCGAAAGCAGTCAGAGTCTTCTTTATTACTGGAGACATAAACAGTTCAGCGTCA
 CTCAACAGAGAGCCCTACAGAGAGACAAGTATGGGAGTAAAGCTAAACATTGCATATCAA
 ATAGGGGCTTCTGAACAATGCCAGGGATACAAGTGTATGGATACTCTACCACTGAATGG

Restriction Sites: Please inquire
ACCN: NM_015236
Insert Size: 6000 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:

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_015236.3](#), [NP_056051.1](#)

RefSeq Size: 6193 bp

RefSeq ORF: 6141 bp

Locus ID: 23284

UniProt ID: [Q9HAR2](#)

Cytogenetics: 4q13.1

Domains: GPS, 7tm_2, Gal_Lectin, HormR, OLF, Latrophilin

Protein Families: 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.