

Product datasheet for **SC301345**

LPHN1 (ADGRL1) (NM_001008701) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPHN1 (ADGRL1) (NM_001008701) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADGRL1
Synonyms:	CIRL1; CL1; LEC2; LPHN1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001008701, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCCCTAGCCGAGTGCCTCTGGAATCTGTGTGTACCCGCCGTCCTGGTCACCTCGGCCACCAAG
GCCTGAGCCGGGCGGGCTCCCCTCGGGCTGATGCGCCGGGAGCTGGCGTGTGAAGCTACCCCATCGA
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CAACCAGGTGGCCAGAAGATCAAGAGTGGGGAGAACGCGGCCAACATCGCCAGCGAGCTGGCCCGACAC
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 ACACCTCGCGCCCGCCAGCCCTGGTGGCCCGGAATCCCTGCAGGGCTACTACCAGGTGCGGCGTCTAG
 CCACGAGGGCTACCTGGCAGCCCAAGCCCTTGGAGGGCCAGGGCCCGATGGGGACGGGACAGATGCAGCTG
 GTACCAGTCTCTGA

Restriction Sites:

Please inquire

ACCN:

NM_001008701

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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_001008701.1, NP_001008701.1</u>
RefSeq Size:	7886 bp
RefSeq ORF:	4425 bp
Locus ID:	22859
UniProt ID:	<u>O94910</u>
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 (1) represents the longer transcript and encodes the longer isoform (1).</p>