

Product datasheet for **SC337919**

LPHN2 (ADGRL2) (NM_001297705) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPHN2 (ADGRL2) (NM_001297705) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADGRL2
Synonyms:	CIRL2; CL2; LEC1; LPHH1; LPHN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297705, the custom clone sequence may differ by one or more nucleotides

```
ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTGTGGTTTATCATTGTAATCAGCTTCTTACCAAATACAG
AAGGTTTCAGCAGAGCAGCTTTACCATTGGGCTGGTGAGGCGAGAATTATCCTGTGAAGTTATTCTAT
AGATCTGCGATGCCCGGCAGTGATGTCATCATGATTGAGAGCGCTAACTATGGTCGGACGGATGACAAG
ATTTGTGATGCTGACCCATTTCCAGATGGAGAATACAGACTGCTACCTCCCCGATGCCTTCAAATATGA
CTCAAAGGTGCAACAATCGAACACAGTGTATAGTAGTTACTGGGTCAGATGTGTTTCTGATCCATGTCC
TGAACATACAAATACCTGAAGTCCAATATGAATGTGTCCTTACATTTTTGTGTGCTCTGGGACCTTG
AAAGCAATTGTGGACTCACCATGTATATGAAGCTGAACAAAAGCGGGTGCTTGGTGAAGGACCTC
TTCAGGCTGCAGATAAAATTTATTTTCATGCCCTGGACTCCCTATCGTACCGATACTTAAATAGAATATGC
TTCTTTAGAAGATTTCCAAAATAGTCGCCAAAACAACATATAAACTTCCAAATCGAGTAGATGGTACT
GGATTTGTGGTGTATGATGGTGTCTTCTTTAACAAGAAAGAACGAGGAATATTGTGAAATTTGACT
TGAGGACTAGAATTAAGAGTGGCGAGGCCATAATTAECTATGCCAACTACCATGATACCTCACCATACAG
ATGGGGAGGAAAGACTGATATCGACCTAGCAGTTGATGAAAATGGTTTATGGGTCATTTACGCCACTGAA
CAGAACAATGGAATGATAGTTATTAGCCAGCTGAATCCATACACTCTTCGATTTGAAGCAACGTGGGAGA
CTGTATACGACAAACGTGCCGCATCAAATGCTTTTATGATATGCGGAGTCCTCTATGTGGTTAGGTCAGT
TTATCAAGACAATGAAAGTGAAACAGGCAAGAACTCAATTGATTACATTTATAATACCCGATTAACCGA
GGAGAATATGTAGATGTTCCCTTCCCAACCAGTATCAGTATATTGCTGCAGTGGATTACAATCCAAGAG
ATAACCAACTTTACGTGTGGAACAATAACTTCATTTTACGATATTCTCTGGAGTTTGGTCCACCTGATCC
TGCCCAAGTGCCTACCACAGCTGTGACAATAACTTCTTCAGCTGAGCTGTTCAAACCATATAATCAACC
ACAAGCACTACTTCACAGAAAGGCCCATGAGCACAACCTGTAGCTGGATCACAGGAAGGAAGCAAAGGGA
CAAAACCACCTCCAGCAGTTTCTACAACAAAATTCACCTATAACAAATATTTTTCCCTGCCAGAGAG
ATTCTGTGAAGCATTAGACTCCAAGGGGATAAAGTGGCCTCAGACACAAAGGGGAATGATGGTTGAACGA
CCATGCCCTAAGGGAACAAGAGGAACTGCCTCATATCTCTGCATGATTTCCACTGGAACATGGAACCCTA
AGGCCCCGATCTTAGCAACTGTACCTCACACTGGGTGAATCAGTGGCTCAGAAGATCAGAAGCGGAGA
```



[View online »](#)

```

AAATGCTGCTAGTCTTGCCAATGAACTGGCTAAACATACCAAAGGGCCAGTGTGGCTGGGGATGTAAGT
TCTTCAGTGAGATTGATGGAGCAGTTGGTGGACATCCTTGATGCACAGCTGCAGGAACTGAAACCTAGTG
AAAAAGATTACAGCTGGACGGAGTTATAACAAGGCAATTGTTGACACAGTGGACAACCTTCTGAGACCCGA
AGCTTTGGAATCATGAAACATATGAATCTTCTGAACAAGCACATACTGCAACAATGTTACTCGATACA
TTGGAAGAAGGAGCTTTTGTCTAGCTGACAATCTTTAGAACCAACAAGGGTCTCAATGCCACAGAAA
ATATTGCTGCTGGAAGTTGCCGTACTCAGTACAGAAGGACAGATCCAAGACTTTAAATTTCTCTGGGCAT
CAAAGGAGCAGGAGCTCAATCCAAGTCCGCAATACCGTCAAACAGAACAGCAGGAATGGCCTTGCA
AAGTTGGTGTTTCATCATTACCAGGAGCTGGGACAGTTCCTTAGTACAGAAAATGCAACCTTAACTGG
GTGCTGATTTTATTGGTCGTAATAGCACCATTGCAAGTGAAGTCTCACGTCATTTCAATCAATAA
AGAGTCCAGCCGAGTATACCTGACTGATCCTGTGCTTTTACCCTGCCACACATTGATCCTGACAATTAT
TTCAATGCAAACCTGCTCCTTCTGGAAGTACTCAGAGAGAACTATGATGGGATATTGGTCTACCCAGGGCT
GCAAGCTGTTGACACTAATAAACTCGAACAACGTGTGCATGCAGCCACCTAACCAATTTTGAATTCT
CATGGCCACAGGAAATTCATATAAAGATGGCGTTCATGAATTACTTCTTACAGTCATCACCTGGGTG
GGAATTGTCAATCCCTGTTTGCCTGGCTATCTGCATCTCACCTTCTGCTTTTCCGTGGCCTACAGA
GTGACCGAAATACTATTCACAAGAACCTTTGTATCAACCTTTTCATTGCTGAATTTATTTTCTAATAGG
CATTGATAAGACAAAATATGCGATTGCATGCCCAATATTTGCAGGACTTCTACACTTTTTCTTTTGGCA
GCTTTTGTGGATGTGCTAGAAAGGTGTGCAGCTCTACCTAATGTTAGTTGAAGTTTTTGAAGTGAAT
ATTCAAGGAAAAAATATTACTATGTTGCTGTTTACTTGTTCCTGCCACAGTGGTTGGAGTTTACAGTGC
TATTGACTATAAGAGCTATGGAACAGAAAAAGCTTGTGGCTTCATGTTGATAACTACTTTATATGGAGC
TTCATTGGACCTGTTACCTTCATTATTCTGCTAAATATTATCTTCTTGGTGATCATTGTGCAAAATGG
TGAAGCATTCAAACACTTTGAAACCAGATTCTAGCAGGTTGAAAAACATTAAGTCTTGGGTGCTTGGCGC
TTTCGCTCTTCTGTCTTCTTGGCCTCACCTGGTCTTTGGGTGCTTTTTATTAATGAGGAGACTATT
GTGATGGCATATCTTCACTATATTTAATGCTTTCCAGGGAGTGTTCATTTTTCATCTTTCAGTGTCTC
TCCAAAAGAAAGTACGAAAAGAATATGGCAAGTGCTTCAGACACTCATACTGCTGTGGAGGCTCCCAAC
TGAGAGTCCACAGTTCAGTGAAGGCATCAACCACCAGAACAGTGTGCTGCTATTCTCTGGCACACAG
AGTCGTATAAGAAGAATGTGGAATGATACTGTGAGAAAACAATCAGAATCTTCTTTTATCTCAGGTGACA
TCAATAGCACTTCAACACTTAATCAAGGACTGACATCACATGGTCTGAGAGCCCATCTTCAAGATTATA
TCATTTAGAGCTACTCTTAGGCCAGATAGCCTGA
    
```

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001297705
- 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).
- 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_001297705.1](#), [NP_001284634.1](#)
- RefSeq Size:** 6127 bp

RefSeq ORF: 3534 bp

Locus ID: 23266

UniProt ID: [O95490](#)

Cytogenetics: 1p31.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: This gene encodes a member of the latrophilin subfamily of G-protein coupled receptors. The encoded protein participates in the regulation of exocytosis. The proprotein is thought to be further cleaved within a cysteine-rich G-protein-coupled receptor proteolysis site into two chains that are non-covalently bound at the cell membrane. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (3) lacks an alternate in-frame exon and contains two alternate exons in the 3' coding region, which results in a frameshift, compared to variant 5. The encoded isoform (2) lacks an alternate internal segment and has a shorter and distinct C-terminus compared to isoform 4. 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.