

Product datasheet for RC239983

LPHN2 (ADGRL2) (NM_001297706) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPHN2 (ADGRL2) (NM_001297706) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADGRL2
Synonyms:	CIRL2; CL2; LEC1; LPHH1; LPHN2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC239983 representing NM_001297706 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTCTTCTGGTTCAGAATGCGAAGTCTGTGGTTATCATTGTAATCAGCTTCTTACCAAATACAG
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AGGGCCCCGATCTTAGCAACTGTACCTCACACTGGGTGAATCAGCTGGCTCAGAAGATCAGAAGCGGAGA
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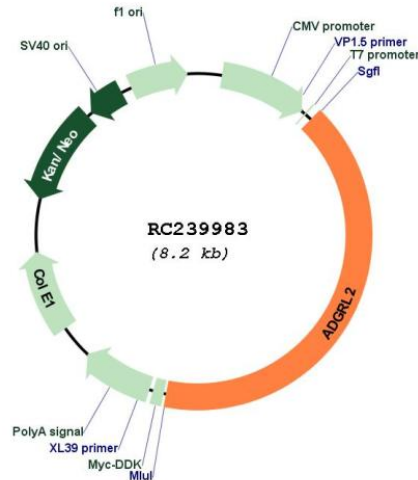
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Protein Sequence:

>RC239983 representing NM_001297706
 Red=Cloning site Green=Tags(s)

MVSSGCRMRLWFIIVISFLPNTEGFSRAALPFGLVRRELSCEGYSIDLRCPGSDVIMIESANYGRDDK
 ICDADPFQMENTDCYLPDAFKIMTQRNNRTQCI VVTGSDVFPDPCPGTYKYLEVQYECVPYIFVCPGL
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 GFVVYDGA VFFNKERTRNIVKFDLRTRIKSGEAIINYANYHDTSPYRWGKTDIDLAVDENGLWVIYATE
 QNNGMIVISQLNPYTLRFEATWETVYDKRAASNAFMICGVLVYVRSVYQDNESETGKNSIDYIYNTRLNR
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 TSTTSQKGPMTTAVAGSQEGSKGTPPPAVSTTKIPPITNIFPLPERFCEALDSKGIKWPQTRGMMVER
 PCPKGTRGTASYLCMISTGTWNPKGPDLSNCTSHWVNLQAQKIRSGENAAASLANELAKHTKGPVAFGDS
 SSVRLMEQLVDILDAQLQELKPSEKDSAGRSYNKAI VDTVDNLLRPEALESWKHMNSSEQAHTATMLLDT
 LEEGAFVLADNLLLEPTRVSMPTENIVLEVAVLSTEGQIQDFKFLGIKAGSSIQLSANTVKQNSRNLGA
 KLVFIIYRSLGQFLSTENATIKLGADFIGNSTIAVNSHVIVSVINKESSRYYL TDPVLF TLPHIDPDNY
 FNANCSFWNYSERTMMGYWSTQGCKLVDTNKTRTTCACSHL TNFAILMAHREIAYKDGVHELLLTVITWV
 GIVISLVCLAICIFTFCFFRGLQSDRNTIHKNL CINLFAEFIFLIGIDKTKYAIACPIFAGLLHFFFLA
 AFAWMCLEGVQLYMLVEVFESEYSRKKYVVYAGYLPATVVGVSAAIDYKSYGTEKACWLHVDNYFIWS
 FIGPVTFIILLNIIFLVITLCKMVKHSNTLKPDSRLNIKSWLGFALLCLLGLTWSFGLLFINEETI
 VMAYLFTIFNAFQGVFIFIFHCALQKKVRKEYGKCFRHSYCCGLPTESPHSSVKASTTRTSARYSSGTQ
 DIH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Plasmid Map:


ACCN: NM_001297706

ORF Size: 3369 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001297706.2](#)

RefSeq Size: 5924 bp

RefSeq ORF: 3372 bp

Locus ID: 23266

UniProt ID: [O95490](#)

Cytogenetics: 1p31.1

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 126.6 kDa

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]