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Product datasheet for RG240025

LPHN2 (ADGRL2) (NM_001297705) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPHN2 (ADGRL2) (NM_001297705) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LPHN2
Synonyms:	CIRL2; CL2; LEC1; LPHH1; LPHN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG240025 representing NM_001297705.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTGTGGTTTATCATTGTAATCAGCTTCTTACCAAATACA
GAAGGTTTCAGCAGAGCAGCTTTACCATTTGGGCTGGTGAGGCGAGAATTATCCTGTGAAGGTTATTCT
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TCCACTGGAACATGGAACCCTAAGGGCCCCGATCTTAGCAACTGTACCTCACACTGGGTGAATCAGCTG
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GGCCAGATAGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG240025
Blue=ORF Red=Cloning site Green=Tag(s)

MVSSGCRMRSLWFIIVISFLPNTEGFSRAALPFGLVRRELSCEGYSIDLRCPGSDVIMIESANYGRTDD
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PIFAGLLHFFFLAAFAWMCLEGVQLYLMLVEVFESEYSRKKYYYVAGYLFPATVVGVSAAIDYKSYGTE
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SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
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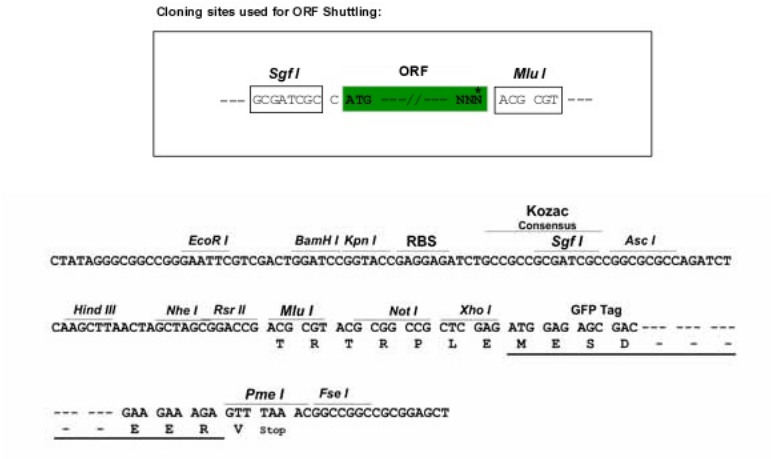
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001297705

ORF Size: 3531 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).

RefSeq: NM_001297705.2

RefSeq Size: 6127 bp

RefSeq ORF: 3534 bp

Locus ID: 23266

UniProt ID: O95490

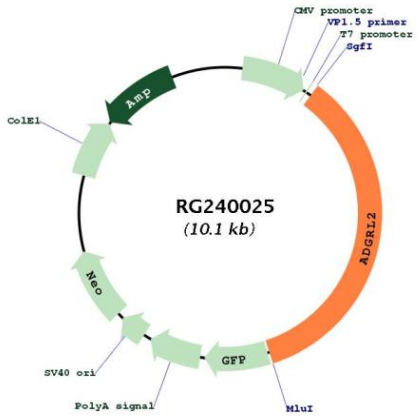
Cytogenetics: 1p31.1

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 132.7 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]

Product images:



Circular map for RG240025