

Product datasheet for **RG216081**

LHFPL4 (NM_198560) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LHFPL4
Synonyms:	GARLH4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216081 representing NM_198560
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCCCTCGCAGGAGGCCTCCAAGCTCTACCAGGAGCACTACATGCGGAACCTCGCGGGCCATCGGGC
TGCTGTGGGCCATCTTCACCATCTGCTTCGCCATCATCAACGTGGTGGTCTTCATCCAGCCCTACTGGGT
GGGCGACAGCGTGAGCACCCCAAGCCTGGCTACTTCGGCCTCTTCCACTACTGCGTGGGCAGCGGGCTG
GCGGGCCGCGAGCTCACCTGCCGGGGCTCCTTCACCGACTTCAGCACCATCCCGTCCAGCGCCTTCAAGG
CGGCCGCTTCTTCGTGCTGCTCTCCATGGTGCTGATCCTCGGCTGCATCACCTGCTTTTCGCTTTTCTT
CTTCTGCAACACGGCTACGGTCTACAAGATCTGCGCCTGGATGCAGCTCTTGGCAGCTCTGTGCCTCGTC
CTGGGCTGCATGATCTTTCCTGATGGCTGGGATGCCGAGACCATCCGGGACATGTGTGGGGCCAAGACGG
GGAAGTACTCCCTGGGGACTGTTCACTGCGCTGGGCATACATCCTGGCCATCATCGGCATCCTCAACGC
CCTCATCCTCTCCTTCCTCGCCTTCGTGCTGGGCAACCGGCAACAGACCTGCTGCAGGAGGAGCTCAAG
CCGGAGAACAAGATTTTGTGGGCTCTACAGTAAGCTCCGTGTTGGCGCCGGGGGTGATGTCTCTGGAT
GGGGAGTCCTTCCCTGCCCCGTGGCTCACTCACAGGGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG216081 representing NM_198560

Red=Cloning site Green=Tags(s)

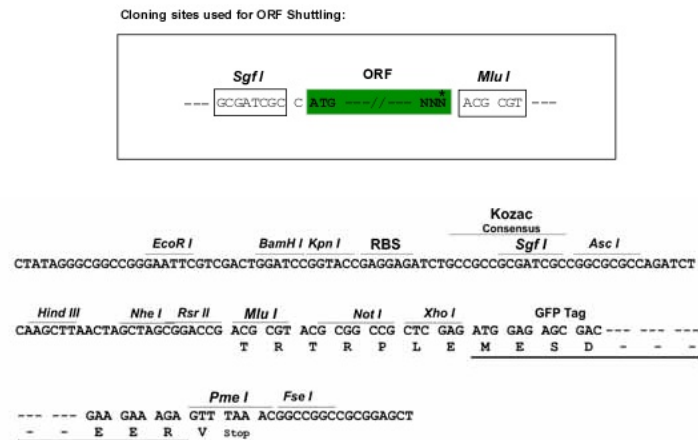
MLPSQEASKLYHEHYMRNSRAIGVLWAIFTICFAIINVVFIQPYWVGDSVSTPKPGYFGLFHYCVGSGL
AGRELTCRGSTDFSTIPSSAFKAAFFVLLSMVLILGCITCFSLFFFCNTATYKICAWMQLLAALCLV
LGCMIFPDGWAETIRDMCGAKTGKYSLGDCSVRWAYILAIIGILNALILSFLAFVLGNRQTDLLQEELK
PENKDFVGSTVSSVLRPGGDVSGWGLPCPVAHSQGP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_198560

ORF Size:

741 bp

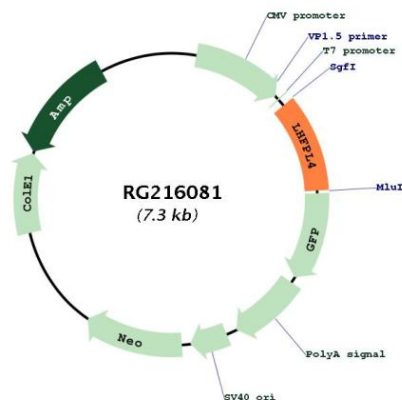
OTI Disclaimer:

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 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_198560.3
RefSeq Size:	1444 bp
RefSeq ORF:	744 bp
Locus ID:	375323
UniProt ID:	Q7Z7J7
Cytogenetics:	3p25.3
Protein Families:	Transmembrane
Gene Summary:	This gene is a member of the lipoma HMGIC fusion partner (LHFP) gene family, which is a subset of the superfamily of tetraspan transmembrane protein encoding genes. Mutations in one LHFP-like gene result in deafness in humans and mice, and a second LHFP-like gene is fused to a high-mobility group gene in a translocation-associated lipoma. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216081