

## Product datasheet for **RC216081**

### LHFPL4 (NM\_198560) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LHFPL4 (NM_198560) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LHFPL4
Synonyms:	GARLH4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216081 representing NM_198560 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCCTCGCAGGAGGCCTCCAAGCTCTACCACGAGCACTACATGCGGAACTCGCGGGCCATCGGCG  
TGCTGTGGGCCATCTTACCATCTGCTTCGCCATCATCAACGTGGTGGTCTTCATCCAGCCCTACTGGGT  
GGGCGACAGCGTGAGCACCCCAAGCCTGGCTACTTCGGCCTCTCCACTACTGCGTGGCAGCGGGCTG  
CGGGCCGCGAGCTCACCTGCCGGGCTCCTTCACCGACTTCAGCACCATCCCGTCCAGCGCCTTCAAGG  
CGGCCCTTCTTCGTGCTGCTCCTCATGGTGCTGATCCTCGGCTGCATCACCTGCTTTTCGCTTTTCTT  
CTTCTGCAACACGCTACGGTCTACAAGATCTGCGCCTGGATGCAGCTCTTGGCAGCTCTGTGCCTCGTC  
CTGGGCTGCATGATCTTTCTGATGGCTGGGATGCCGAGACCATCCGGGACATGTGTGGGGCCAAGACGG  
GGAAGTACTCCCTGGGGACTGTTCACTGCGCTGGGCATACATCTGGCCATCATCGGCATCCTCAACGC  
CCTCATCTCTCCTTCTCGCCTTCGTGCTGGGCAACCGGCAACAGACCTGCTGCAGGAGGAGCTCAAG  
CCGGAACAAGATTTGTGGGCTCTACAGTAAGCTCCGTGTTGCGGCCCGGGGTGATGTCTCTGGAT  
GGGAGTCTTCCCTGCCCGTGGCTCACTCACAGGGACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC216081 representing NM\_198560  
Red=Cloning site Green=Tags(s)

MLPSQEASKLYHEHYMRNSRAIGVLWAIFTICFAIINVVFIQPYWVGDSVSTPKPGYFGLFH YCVGSGL  
 AGRELTCRGSFTDFSTIPSSAFKAAFFVLLSMVLILGCITCFSLFFFCNTATVYKICAWMQLLAALCLV  
 LGCMIFPDGWD AETIRDMCGAKT GKYS LGDCSVRWAYILAIIGILNALILSFLAFVLGNRQTDLLQEELK  
 PENKDFV GSTVSSVLRPGGDVSGWGVLPVVAHSQGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8013\\_h02.zip](https://cdn.origene.com/chromatograms/mk8013_h02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_198560

**ORF Size:** 741 bp

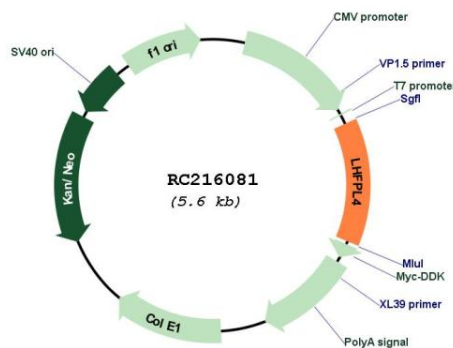
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](mailto: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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_198560.3</a></u>
<b>RefSeq Size:</b>	1444 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	375323
<b>UniProt ID:</b>	<u><a href="#">Q7Z7I7</a></u>
<b>Cytogenetics:</b>	3p25.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	26.8 kDa
<b>Gene Summary:</b>	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 RC216081