

## Product datasheet for **RC222008**

### LHFPL1 (NM\_178175) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: LHFPL1 (NM\_178175) Human Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: LHFPL1  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RC222008 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGAGCAGCCTGACCATGGTGGAAACCCTCTGGGCCCTCCTGTCCCTGTTACTGCTGTGACCAGTT  
CTACCAGTTACTTCTACCTTACTGGCTCTTTGGATCCCAGATGGGAAGCCAGTGCATTACAGCACATT  
CCGGAGGTGCAACTACCTGTGCGGGGAGAGGGACACAGTCTGATCATGGTGAAGAATGTGGCGCTAT  
GCCAGCTTCAATGCCATCCCAAGCCTGGCCTGGCAGATGTGCACAGTGGTGACAGGTGCCGGCTGTGCTC  
TGCTGCTCCTGGTGGCACTAGCTGCTGTCTGGTGGTGTGCTGATAAGCTCAGGCTGTGCCTTATACCCCTTA  
AGTTGTCATGGGAGCAGCGCAGTTTGTGGAGGGCTGCTGATAAGCTCAGGCTGTGCCTTATACCCCTTA  
GGATGGAATAGCCCGGAGATAATGCAAACATGTGGGAATGTCTCCAATCAATTCAGTTAGGTACCTGTC  
GGCTTGGCTGGGCTATTACTGTGCTGGAGGTGGAGCAGCTGCAGCCATGTTGATCTGCACCTGGCTCTC  
TTGCTTTGCTGGAAGAAACCCCAAGCCTGTCAATTGGTGGAGAGCATCATGAGGAATACCAATTCTTAT  
GCTATGGAGCTTGACCATTGCCTCAAACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222008 protein sequence  
Red=Cloning site Green=Tags(s)

MRSSLTMVGTLWAFSLVAVTSSTSYFLPYWLFQSQMGKPVSFSTFRRCNYPVRGEGHSLIMVEECGRY  
ASFNAIPSLAWQMCTVVTGAGCALLLLVALAAVLGCCMEELISRMMGRMGAAQFVGLLISSGCALYPL  
GWNSPEIMQTCGNVSNQFLGTCRLGWAYYCAGGAAAAMLICTWLSCFAGRNPKEVILVESIMRNTNSY  
AMELDHCLKP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

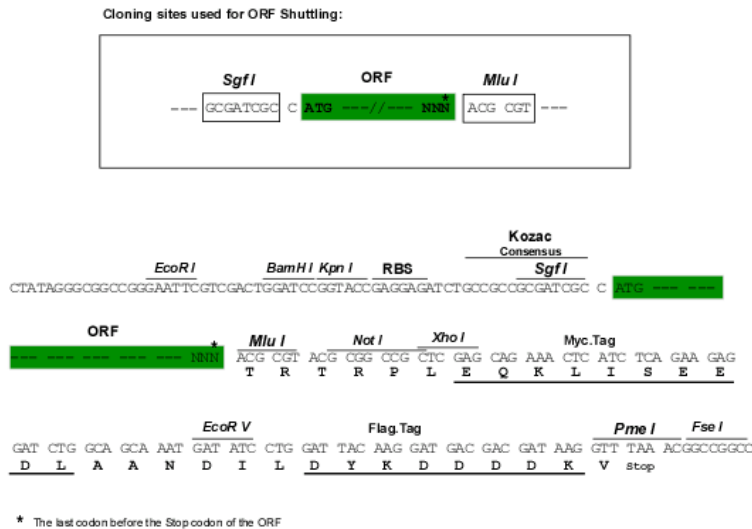


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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6679\\_c11.zip](https://cdn.origene.com/chromatograms/mk6679_c11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178175

**ORF Size:** 660 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\\_178175.4](#)

**RefSeq Size:** 1765 bp

**RefSeq ORF:** 663 bp

**Locus ID:** 340596

UniProt ID: [Q86WI0](#)

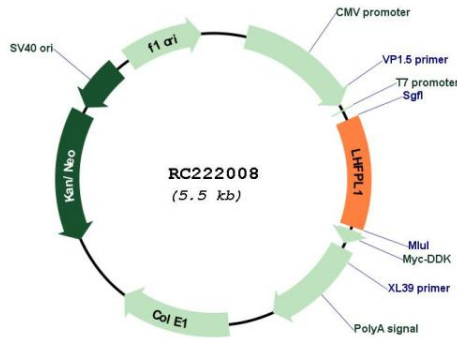
Cytogenetics: Xq23

Protein Families: Transmembrane

MW: 23.8 kDa

**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. Alternatively spliced transcript variants have been found, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC222008