

Product datasheet for **RG204687**

LHFPL6 (NM_005780) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LHFPL6 (NM_005780) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LHFPL6
Synonyms: LHFPL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204687 representing NM_005780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATCCAGCCTGACTTGTACTGGAGTAATCTGGGCTTTGCTGTCTTTCTTTGTGCTGCCACCTCT
 GCGTGGGTTCTTTATGCCTTACTGGCTCTGGGATCACAGCTGGGCAAGCCTGTGCTCTCGGTACCTT
 CCGGAGGTGCTCATATCCTGTGCATGATGAGAGTCGGCAGATGATGGTGATGGTGGAGGAATGTGGGCGC
 TATGCCTCTCCAGGGCATCCCAGCGCAGAATGGAGGATCTGCACCATAGTGACCGGCCTGGGTGTG
 GCCTCCTCCTCGGTGGCGCTCACTGCCCTCATGGGTTGCTGTGTTCCGACCTCATCTCCAGGACAGT
 GGGAAGAGTGGCTGGAGGAATTCAGTTTCTGGGGCTTGTGATTGGTGCTGGCTGTGCCCTTACCCC
 TTGGGCTGGGACAGTGGAGGAGTCCGGCAGACTTGTGGCTACACTTCTGGCCAGTTTGACCTGGGGAAGT
 GTGAAATCGGCTGGGCTACTACTGCACGGGAGCAGGTGCCACTGCCCATGCTGCTGTGCACGTGGCT
 GGCTTGCTTTTCGGGCAAGAAACAGAAGCACTACCCATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204687 representing NM_005780
 Red=Cloning site Green=Tags(s)

MASSLTCTGVIWALLSFLCAATSCVGFMPYWLWGSQLGKPVSFGTFRRCYSPVHDESRQMMVMVEECGR
 YASFQGIPISEWRICTIVTGLGCGLLLLVALTALMGCCVSDLISRTVGRVAGGIQFLGGLLIGAGCALYP
 LGWDSEEVQRQCGYTSQQFDLKGCEIGWAYCYCTGAGATAAMLLCTWLACFSGKKQKHYPY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_005780

ORF Size: 600 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.

RefSeq: [NM_005780.3](#)

RefSeq Size: 2012 bp

RefSeq ORF: 603 bp

Locus ID: 10186

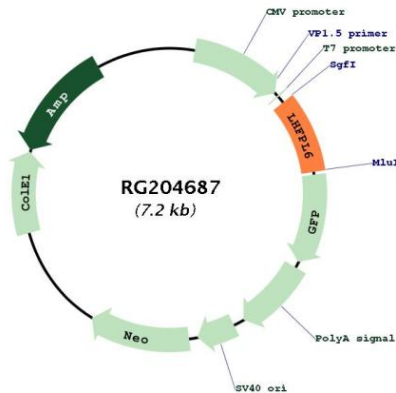
UniProt ID: [Q9Y693](#)

Cytogenetics: 13q13.3-q14.11

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. This gene is fused to a high-mobility group gene in a translocation-associated lipoma. Mutations in another LHFP-like gene result in deafness in humans and mice. Alternatively spliced transcript variants have been found; however, their full-length nature is not known. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204687