

Product datasheet for **RN201906**

Lhfpl4 (NM_181387) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lhfpl4 (NM_181387) Rat Untagged Clone
Tag: Tag Free
Symbol: Lhfpl4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN201906 representing NM_181387

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCCTCGCAGGAGGCCTCCAAGCTCTACCATGAGCACTACATGCGGAACCTCGCGGGCCATCGGCG
TGCTGTGGGCCATCTTCACCATCTGCTTCGCCATCATCAACGTGGTGGTCTTCATCCAGCCCTACTGGGT
AGGCGACAGCGTGAGCACTCCCAAGCCTGGCTACTTCGGCCTCTTCCACTACTGCGTGGGCAGCGGGCTA
GCGGGCCGCGAGCTCACCTGCCGGGTTCTTTCACCGACTTCAGCACCATCCCGTCCAGCGCCTTCAAGG
CGGCCGCTTCTTCGTGTTGCTTTCATGGTGCTGATTCTCGGCTGCATCACCTGCTTCGCTCTTTCTTCTT
CTTCTGCAACACCGCCACTGTCTACAAGATCTGCGCCTGGATGCAGCTCCTGGCAGCCCTGTGCCTCGTC
TTGGGCTGCATGATCTTCCCTGATGGCTGGGATGCTGAGACCATCCGGGACATGTGCGGGGCCAAGACGG
GGAAGTACTCCCTGGGGGACTGTTCCGTGCGCTGGGCGTACATTCTGGCCATTATCGGCATCCTCAACGC
GCTCATCTGTCTTCTCGCCTTCGTGCTGGGCAACCGCAGACGGACCTGCTGCAGGAGGAGCTCAAA
CAGGAGAACAAAGATTTTGTGGGCACTACAGTAAGTCCGTGCTGCGGCCAGGAGGTGATGTCTCCGGTT
GGGAGTCCTACCATGCCCTGTTGCTCACACACAGGGACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181387
Insert Size: 744 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_181387.2</u> , <u>NP_852052.1</u>
RefSeq Size:	978 bp
RefSeq ORF:	744 bp
Locus ID:	353230
UniProt ID:	<u>Q7TSY2</u>
Cytogenetics:	4q42
Gene Summary:	Plays a role in the regulation of inhibitory synapse formation and function by being involved in maintaining gamma-aminobutyric acid receptors (GABAARs) clustering and their associated scaffold proteins at inhibitory synaptic sites. Acts in concert with NLGN2 to recruit or stabilize GABAARs.[UniProtKB/Swiss-Prot Function]