

Product datasheet for **SC307475**

LPLUNC3 (BPIFB3) (NM_182658) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPLUNC3 (BPIFB3) (NM_182658) Human Untagged Clone
Tag:	Tag Free
Symbol:	LPLUNC3
Synonyms:	C20orf185; LPLUNC3; RYA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307475 representing NM_182658.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCAGCCAGTCATGCTGGCCCTGTGGTCCCTGCTTCTGCTCTGGGGCCTGGCGACTCCATGCCAGGAG
CTGCTAGAGACGGTGGGCACGCTCGCTCGGATTGACAAGGATGAACTCGGCAAAGCCATCCAGAACTCA
CTGGTTGGGGAGCCATTCTGCAGAATGTGCTGGGATCGGTACAGCTGTGAACCGGGCCCTCTGGGC
TCAGGAGGGCTGCTTGGAGGAGGCGCTTGTGGCCACGGAGGGTTTTTGGCGTTGTCGAGGAGCTC
TCTGGTCTGAAGATTGAGGAGCTCACGCTGCCAAAGGTGTTGCTGAAGCTGCTGCCGGGATTTGGGGTG
CAGCTGAGCCTGCACACCAAAGTGGCATGCATTGCTCTGGCCCCCTTGGTGGCCTTCTGCAGCTGGCT
GCGGAGGTGAACGTGACATCGCGGGTGGCGCTGGCCGTGAGCTCAAGGGGCACACCCATCCTTATCCTC
AAGCGTGCAGCACGCTCCTGGCCACATCAGCCTGTTCTCAGGGCTGCTGCCACACCACTCTTTGGG
GTCGTGGAACAGATGCTCTTCAAGGTGCTTCCGGGACTGCTGTGCCCGTGGTGGACAGTGTGCTGGT
GTGGTGAATGAGCTCCTGGGGGCTGTGCTGGCCCTGGTGTCCCTTGGGGCTCTTGGGTCCGTGGAATTC
TCTCTGGCCACATTGCCTCTCATCTCCAACAGTACATAGAAGTGGACATCAACCCATATCGTGAAGAGT
GTAGCTGGTGATATCATTGACTTCCCAAGTCCCGTGCCCGCAAGGTGCCCCCAAGAAGGACCAC
ACATCCCAGGTGATGGTGCCACTGTACCTCTTCAACACCAGTTTGGACTCCTGCAGACCAACGGCGCC
CTCGACATGGACATACCCCTGAGCTGGTCCCAGCGATGCCCAGTCAACTGACAACTACAGACCTGGCAGCT
TTGCTCCCTGAGGCCCTGGGGAAGCTGCCCTGCACCAGCAACTCCTACTGTTCTGCGGGTGGGGAA
GCTCCACGGTCAACATCCACAACAAGAAGCCCTGGTCTCCCTCCAGCCAACATCCATGTGCTGTTT
TATGTCCTAAGGGGACCCTGAATCCCTCTTTGAGCTGAACTCCGTATGACTGTGCGTGGCCAGCTG
GCTCCCTCGGCTACCAAGCTGCACATCCTCCTGTCCTGGAACGGCTCAGTGTCAAGGTGGCCTCCTCC
TTTACCCATGCCTTTGACGGATCGGTTTAGAAGAATGGCTCAGCCATGTGGTGGGGCAGTGTATGCA
CCAAAGCTTAACGTGGCCCTGGATGTTGGAATCCCTGCCTAAGGTTCTTAATCAATTTTTCCAAT
TCAGTTCTGGAGATCGTAGAGAATGCTGTTGTGCTGACCGTGGCATCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_182658
- Insert Size:** 1431 bp
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_182658.2](#)

RefSeq Size: 1556 bp

RefSeq ORF: 1431 bp

Locus ID: 359710

UniProt ID: [P59826](#)

Cytogenetics: 20q11.21

Protein Families: Druggable Genome, Secreted Protein

MW: 50.3 kDa

Gene Summary: May have the capacity to recognize and bind specific classes of odorants. May act as a carrier molecule, transporting odorants across the mucus layer to access receptor sites. May serve as a primary defense mechanism by recognizing and removing potentially harmful odorants or pathogenic microorganisms from the mucosa or clearing excess odorant from mucus to enable new odorant stimuli to be received (By similarity).[UniProtKB/Swiss-Prot Function]