

Product datasheet for **RG222685**

LPLUNC3 (BPIFB3) (NM_182658) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPLUNC3 (BPIFB3) (NM_182658) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LPLUNC3
Synonyms:	C20orf185; LPLUNC3; RYA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222685 representing NM_182658
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCCAGTCATGCTGCCCTGTGGTCCCTGCTTCTGCTCTGGGGCTGGCGACTCCATGCCAGGAGC
 TGCTAGAGACGGTGGGCACGCTCGCTCGGATTGACAAGGATGAACTCGGCAAAGCCATCCAGAACTCACT
 GGTGGGGAGCCATTCTGCAGAATGTGCTGGGATCGGTCACAGCTGTGAACCGGGCCTTTGGGCTCA
 GGAGGGCTGCTTGGAGGAGGCGCTTGTGGGCCACGGAGGGTTTTTGGCGTTGTGAGGAGCTCTCTG
 GTCTGAAGATTGAGGAGCTCACGCTGCCAAAGGTGTTGCTGAAGCTGCTGCCGGATTTGGGGTGCAGCT
 GAGCCTGCACACAAAGTGGGCATGCATTGCTCTGGCCCCCTTGGTGGCCTTCTGCAGCTGGCTGCGGAG
 GTGAACGTGACATCGCGGTGGCGCTGGCCGTGAGCTCAAGGGGCACACCCATCCTTATCCTCAAGCGCT
 GCAGCACGCTCCTGGGCCACATCAGCCTGTTCTCAGGGCTGCTGCCACACCACTCTTTGGGGTCTGGA
 ACAGATGCTCTTCAAGGTGCTTCCGGGACTGCTGTGCCCGTGGTGGACAGTGTGCTGGGTGGTGAAT
 GAGCTCCTGGGGCTGTGCTGGGCTGGTGTCCCTTGGGGCTCTTGGGTCCGTGGAATCTCTCTGGCCA
 CATTGCCTCTCATCTCCAACAGTACATAGAAGTGGACATCAACCCTATCGTGAAGAGTGTAGCTGGTGA
 TATCATTGACTTCCCAAGTCCCGTGCCCCAGCCAAGGTGCCCCCAAGAAGGACCACACATCCCAGGTG
 ATGGTGCCACTGTACCTTTCAACACCATGTTTGGACTCCTGCAGACCAACGGCGCCCTCGACATGGACA
 TCACCCCTGAGCTGGTCCCAGCGATGTCCCACTGACAACACAGACCTGGCAGCTTTGCTCCCTGAGGC
 CCTGGGAAGCTGCCCTGCACCAGCAACTCCTACTGTTCTGCGGGTGGAGGAGCTCCACGGTACACA
 CTCCACAACAAGAAGGCCTTGGTCTCCCTCCAGCCAACATCCATGTGCTGTTCTATGCTCCCTAAGGGAA
 CCCCTGAATCCCTTTGAGCTGAACTCCGTGACTGTGCGTGGCCAGCTGGCTCCCTCGGCTACCAA
 GCTGCACATCTCCTGTCCCTGGAACGGCTCAGTGTCAAGGTGGCCTCCTCCTTTACCCATGCCTTTGAC
 GGATCGCGTTTAGAAGAATGGCTCAGCCATGTGGTCCGGGCAAGTGTATGCACAAAGCTTAACTGGCCC
 TGGATGTTGGAATTTCCCTGCCTAAGGTTCTTAATATCAATTTTTCCAATTCAGTTCTGGAGATCGTAGA
 GAATGCTGTTGTGCTGACCGTGGCATCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222685 representing NM_182658
 Red=Cloning site Green=Tags(s)

MQPVMLALWSLLLLWGLATPCQELLETVGTLARIDKDELGKAIQNSLVGEPILQNVLGSVTAVNRLLGS
 GLLGGGGLLGHGGVFGVVEELSGLKIEELTLPKVLLKLLPGFGVQLSLHTKVMHCSGPLGLLQLAAE
 VNVTSRVALAVSSRGTPIILKRCSTLLGHISLFSGLLPTPLFGVVEQMLFKVLPGLLCPVVDVSLGVVN
 ELLGAVLGLVSLGALGSVEFSLATLPLISNQYIELDINPIVKSVAAGDIIDFPKSRAPAKVPPKDHSTQV
 MVPLYLFNTMFGLLQTNALDMDITPELVPSDVPLTTDLAALLPEALGKPLHQQLLLFLRVREAPT
 LHNKALVSLPANIHVLFYVPKGTPELNFELNSVMTVRAQLAPSATKLHISLSLERLSVKVASSFTHAFD
 GSRLEEWLSHVVGAVYAPKLNVALDVGISLPKVLNINFSNSVLEIVENAVVLTVAS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_182658

ORF Size: 1428 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_182658.1](#), [NP_872599.1](#)

RefSeq Size: 1454 bp

RefSeq ORF: 1431 bp

Locus ID: 359710

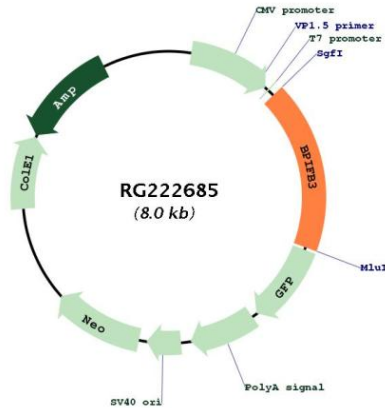
UniProt ID: [P59826](#)

Cytogenetics: 20q11.21

Protein Families: Druggable Genome, Secreted Protein

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]

Product images:



Circular map for RG222685