

Specifications:

Gene:	hBPIFA1
Accession:	NP_057667.1
Insert size:	784bp
Concentration:	10µg at 0.2µg/µL

hPLUNC cDNA Plasmid

**BPIFA1 BPI fold containing
family A member 1 [*Homo
sapiens* (human)]**

Also known as: LUNX; NASG;
PLUNC; SPURT; SPLUNC1;
bA49G10.5

Summary:

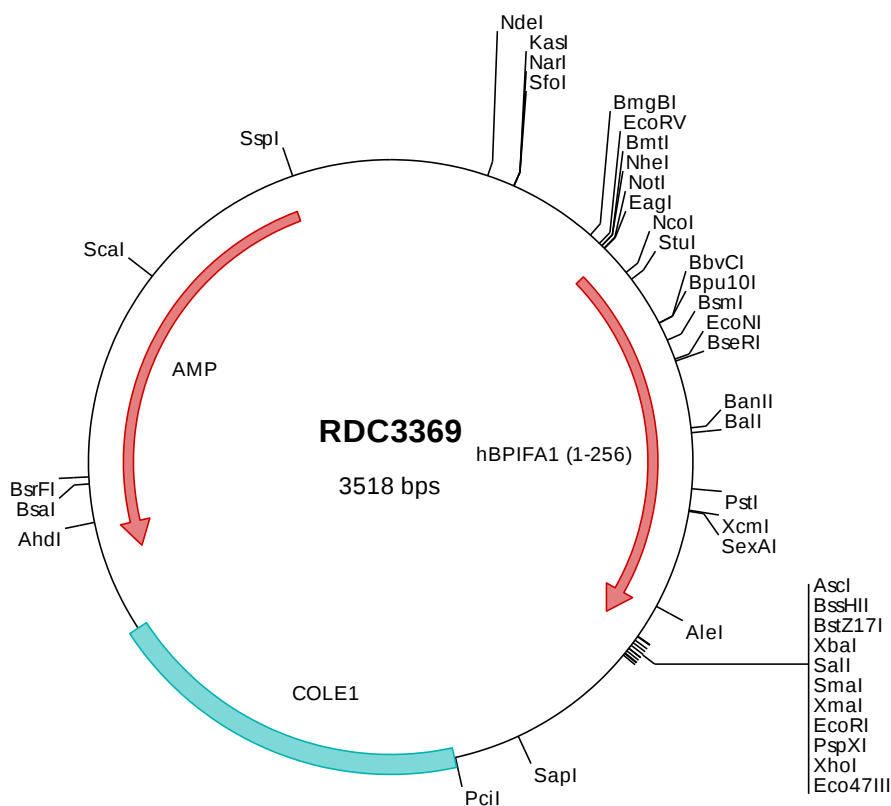
PLUNC is specifically expressed in the upper airways and nasopharyngeal regions. It is an antimicrobial protein that displays antibacterial activity against Gram-negative bacteria. It is thought to be involved in inflammatory responses to irritants in the upper airways and may also serve as a potential molecular marker for detection of micrometastasis in non-small-cell lung cancer. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3369 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcctat
301  tacgccagct ggcgaaagg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgtttcaaa ctgggggcct cattgtcttc tacgggctgt tagccagac
501  cattggccag tttggaggcc tgcctgtgct cctggaccag accctgccc tgaatgtgaa tccagccctg ccttgagtc ccacaggtct tcgaggagc
601  ttgacaaatg ccctcagcaa tggcctgtct tctggggccc tgttgggcat tctggaaaac cttccgctcc tggacatcct gaagcctgga ggaggtactt
701  ctgggtggcct ccttggggga ctgcttggaa aagttagctc agtgattcct ggccctgaaca acatcattga cataaaggtc actgaccccc agctgctgga
801  acttggcctt gtgcagagcc ctgatggcca ccgtctctat gtccaccatc cctcggcat aaagctccaa gtgaatacgc ccttggctcg tgcaagtctg
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1401 aactcacatt aattgcgttg cgtcactgct ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagaggcgg
1501 tttgcgtatt gggcgctctt ccgcttcttc gctcactgac tcgctgcgct cggctgctcg gctgcggcga ccggtatcag ctactcaaaa ggccgtaata
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2401 ttaaaaatga agtttttaaa caatctaaag tatatatgag taaacttggt ctgacagtta ccaatgctta atcagttagg caccatctc agcgtatctg
2501 ctatttctgt catccatagt tgccgtgact cccgtcgtgt agataactac gatacgggag ggcttaccat ctggccccag tgctgcaatg ataccgcgag
2601 acccagctc accggtccca gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg tctcgcaact ttatccgct ccatccagtc
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3101 agaactttaa aagtgtctcat cattggaaaa cgttcttcgg ggcgaaaaact ctcaaggatc ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg
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3301 gaaatgttga atactcatac tcttctttt tcaatattat tgaagcattt atcagggtta ttgtctcatg agcggatata tatttgaatg tatttagaaa
3401 aataaataaa taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta
3501 tcacgagccc ctttctgc

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> RDC3369 Translated Insert Sequence

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1   mfgtggllivf ygllaqma fggllpvldq tlpnlvnpal plstplags ltnalsnll sgllgiln lp1ldilkpg ggtsggllgg llgkvtsvip
101  glnniidikv tdpqllelgl vspdghrly vtiplgiklq vntplvgasl lrlavklidit aeilavrdkq erihlvlgdc thspgslqis lldglgplpi
201  qglldslgti lnkvipeivq gnvcpnlnev lrglditlvh divmmlingl qfvikv

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