

Product datasheet for **SC305921**

Plunc (BPIFA1) (NM_130852) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plunc (BPIFA1) (NM_130852) Human Untagged Clone
Tag:	Tag Free
Symbol:	BPIFA1
Synonyms:	bA49G10.5; LUNX; NASG; PLUNC; SPLUNC1; SPURT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305921 representing NM_130852. Blue=Insert sequence Red=Cloning site Green=Tag(s)

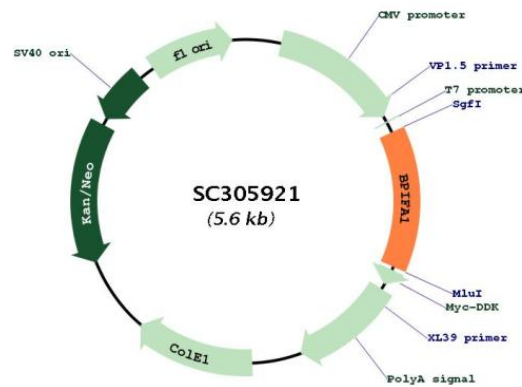
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTCAAACGGGGCCTCATTGTCTTCTACGGGCTGTAGCCAGACCATGGCCAGTTGGAGGC
CTGCCCGTGCCCTGGACCAGACCCTGCCCTTGAATGTGAATCCAGCCCTGCCCTTGAGTCCCACAGGT
CTTGACGGAAGCTTGACAAATGCCCTCAGCAATGGCCTGCTGTCTGGGGCCTGTTGGGCATTCTGGAA
AACCTCCGCTCCTGGACATCCTGAAGCCTGGAGGAGTACTTCTGGTGGCCTCCTGGGGGACTGCTT
GGAAAAGTGACGTCAGTGATTCTGGCCTGAACAACATCATTGACATAAAGGTCCTGACCCCCAGCTG
CTGGAACCTGGCCTTGTGCAGAGCCCTGATGGCCACCGTCTCTATGTCACCATCCCTCTCGCATAAAG
CTCCAAGTGAATACGCCCTGGTCGGTGAAGTCTGTTGAGGCTGGCTGTGAAGCTGGACATCACTGCA
GAAATCTTAGCTGTGAGAGATAAGCAGGAGAGGATCCACCTGGTCTTGGTACTGCACCCATCCCTCCT
GGAAGCCTGCAAATTTCTCTGCTTGATGGACTTGGCCCCCTCCCATTC AAGGCTTCTTGACAGCCCTC
ACAGGGATCTTGAATAAAGTCTGCCTGAGTTGGTTCAGGGCAACGTGTGCCCTCTGGTCAATGAGGTT
CTCAGAGGCTTGACATCACCCCTGGTGCATGACATTGTTAACATGCTGATCCACGGACTACAGTTTGTC
ATCAAGGCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_130852

Insert Size: 771 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_130852.2](#)

RefSeq Size: 1090 bp

RefSeq ORF: 771 bp

Locus ID: 51297

UniProt ID: [Q9NP55](#)

Cytogenetics: 20q11.21

Protein Families: Secreted Protein

MW: 26.7 kDa

Gene Summary: This gene is the human homolog of murine plunc, and like the mouse gene, is specifically expressed in the upper airways and nasopharyngeal regions. The encoded antimicrobial protein 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. Multiple transcript variants resulting from alternative splicing in the 3' UTR have been detected, but the full-length nature of only three are known. [provided by RefSeq, Aug 2014]
Transcript Variant: This variant (2) represents the longest transcript. All three variants encode the same protein.