

Product datasheet for **SC331968**

Plunc (BPIFA1) (NM_001243193) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plunc (BPIFA1) (NM_001243193) Human Untagged Clone
Tag: Tag Free
Symbol: Plunc
Synonyms: bA49G10.5; LUNX; NASG; PLUNC; SPLUNC1; SPURT
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331968 representing NM_001243193.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTTCAAACCTGGGGCCTCATTGTCTTCTACGGGCTGTAGCCAGACCATGGCCAGTTGGAGGC
CTGCCCGTGCCCTGGACCAGACCCTGCCCTTGAATGTGAATCCAGCCCTGCCCTTGAGTCCCACAGGT
CTTGCAGGAAGCTTGACAAATGCCCTCAGCAATGGCCTGCTGTCTGGGGCCTGTTGGGCATTCTGGAA
AACCTCCGCTCCTGGACATCCTGAAGCCTGGAGGAGTACTTCTGGTGGCCTCCTGGGGGACTGCTT
GGAAAAGTGACGTCAGTGATTCTGGCCTGAACAACATCATTGACATAAAGGTCCTGACCCCACTG
CTGGAACCTGGCCTTGTGCAGAGCCCTGATGGCCACCGTCTATGTACCATCCCTCTCGGCATAAAG
CTCCAAGTGAATACGCCCTGGTCGGTGAAGTCTGTTGAGGCTGGCTGTGAAGCTGGACATCACTGCA
GAAATCTTAGCTGTGAGAGATAAGCAGGAGAGGATCCACCTGGTCCTTGGTACTGCACCCATCCCT
GGAAGCCTGCAAAATTTCTGCTTGATGGACTGGCCCCCTCCCAATTCAAGGCTTCTGGACAGCCTC
ACAGGGATCTTGAATAAAGTCTGCCTGAGTTGGTTCAGGGCAACGTGTGCCCTCTGGTCAATGAGGTT
CTCAGAGGCTTGGACATCACCCCTGGTGCATGACATTGTTAACATGCTGATCCACGGACTACAGTTTGC
ATCAAGGCTAA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001243193
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).
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).



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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_001243193.1](#)

RefSeq Size: 1074 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 (3) differs in the 3' UTR compared to variant 2. All three variants encode the same protein.