

Product datasheet for **SC320871**

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: Plunc
Synonyms: bA49G10.5; LUNX; NASG; PLUNC; SPLUNC1; SPURT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_130852.1
 GGGGGAGTGGGGGAGAGAGAGAGAGACCAGGACAGCTGCTGAGACCTCTAAGAAGTCCAGA
 TACTAAGAGCAAAGATGTTTCAAACCTGGGGGCTCATTGTCTTCTACGGGCTGTTAGCCC
 AGACCATGGCCAGTTTGGAGGCCTGCCCGTGCCCTGGACCAGACCCTGCCCTTGAATG
 TGAATCCAGCCCTGCCCTTGAGTCCCACAGGTCTTGCAGGAAGCTTGACAAATGCCTCA
 GCAATGGCCTGTGTCTGGGGCCTGTTGGCATTCTGGAAAACCTTCCGCTCCTGGACA
 TCCTGAAGCCTGGAGGAGTACTTCTGGTGGCCTCCTGGGGGACTGCTTGGAAAAGTGA
 CGTCAGTGATTCTGGCCTGAACAACATCATTGACATAAAGGTCACCTGACCCCCAGCTGC
 TGGAACTTGGCCTGTGCAGAGCCCTGATGGCCACCGTCTCTATGTCACCATCCCTCTCG
 GCATAAAGCTCCAAGTGAATACGCCCTGGTCGGTCAAGTCTGTTGAGGCTGGCTGTGA
 AGCTGGACATCACTGCAGAAATCTTAGCTGTGAGAGATAAGCAGGAGAGGATCCACCTGG
 TCCTTGGTGACTIONCACCCATTCCCTGGAAGCCTGCAAATTTCTCTGCTTGATGGACTTG
 GCCCCTCCCCATTCAAGTCTTCTGGACAGCCTCACAGGGATCTTGAATAAAGTCTGC
 CTGAGTTGGTTCAGGGCAACGTGTGCCCTCTGGTCAATGAGGTTCTCAGAGGCTTGGACA
 TCACCCTGGTGCATGACATTGTTAACATGCTGATCCACGGACTACAGTTTGTCAATCAAGG
 TCTAAGCCTTCCAGGAAGGGGCTGGCCTCTGCTGAGCTGCTTCCAGTGCACAGATGG
 CTGGCCCATGTGCTGGAAGATGACACAGTTGCCTTCTCTCCGAGGAACCTGCCCTCTC
 CTTTCCCACAGGCGTGTAAACATCCCATGTGCCTCACCTAATAAAAATGGCTCTTCTTC
 TGCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_130852



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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:	<ol style="list-style-type: none"> 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:	<u>NM_130852.1</u> , <u>NP_570913.1</u>
RefSeq Size:	1094 bp
RefSeq ORF:	771 bp
Locus ID:	51297
UniProt ID:	<u>Q9NP55</u>
Cytogenetics:	20q11.21
Protein Families:	Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents the longest transcript. All three variants encode the same protein.</p>