

Product datasheet for **RG213322**

Plunc (BPIFA1) (NM_016583) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plunc (BPIFA1) (NM_016583) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plunc
Synonyms:	bA49G10.5; LUNX; NASG; PLUNC; SPLUNC1; SPURT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213322 representing NM_016583 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCAAACGGGGCCTCATTGTCTTCTACGGGCTGTTAGCCAGACCATGGCCAGTTTGGAGGCC
TGCCCGTGCCCTGGACCAGACCCTGCCCTTGAATGTGAATCCAGCCCTGCCCTTGAGTCCCACAGGTCT
TGCAGGAAGCTTGACAAATGCCCTCAGCAATGGCCTGCTGTCTGGGGCCTGTTGGGCATTCTGGAAAAC
CTTCCGCTCCTGGACATCCTGAAGCCTGGAGGAGTACTTCTGGTGGCCTCCTTGGGGGACTGCTTGAA
AAGTGACGTCAGTGATTCTGGCCTGAACAACATCATTGACATAAAGGTCAGTACCCCCAGCTGCTGGA
ACTTGGCCTTGTGCAGAGCCCTGATGGCCACCGTCTATGTACCATCCCTCTCGGCATAAAGCTCCAA
GTGAATACGCCCCCTGGTCGGTGCAAGTCTGTTGAGGCTGGCTGTGAAGCTGGACATCACTGCAGAAATCT
TAGCTGTGAGAGATAAGCAGGAGAGGATCCACCTGGTCCTTGGTGACTGCACCCATTCCCCTGGAAGCCT
GCAAATTTCTCTGCTTGATGGACTTGGCCCCCTCCCCATTCAAGGTCTTCTGGACAGCCTCACAGGGATC
TTGAATAAAGTCTGCCTGAGTTGGTTCAGGGCAACGTGTGCCCTCTGGTCAATGAGGTTCTCAGAGGCT
TGGACATCACCTGGTGCATGACATTGTTAACATGCTGATCCACGGACTACAGTTTGTATCAAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_016583.4](#)

RefSeq Size: 1049 bp

RefSeq ORF: 771 bp

Locus ID: 51297

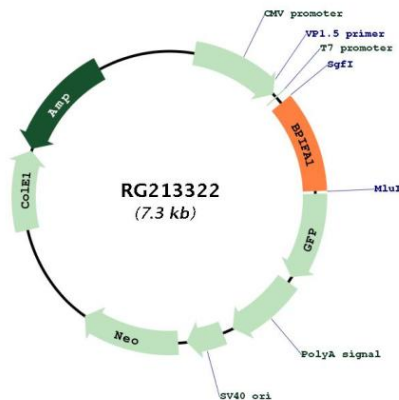
UniProt ID: [Q9NP55](#)

Cytogenetics: 20q11.21

Protein Families: Secreted Protein

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]

Product images:



Circular map for RG213322