

## Product datasheet for **TP313322L**

### Plunc (BPIFA1) (NM\_016583) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human palate, lung and nasal epithelium associated (PLUNC), transcript variant 1, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC213322 representing NM\_016583  
**Red**=Cloning site **Green**=Tags(s)

MFQTGGLIVFYGLLAQTMAQFGGLPVPLDQTLPLNVNPALPLSPTGLAGSLTNALSNGLLSGLLGILEN  
LPLLDILKPGGGTSGLLGLLGKVTSVIPGLNNIIDIKVTDQPQLLELGLVQSPDGHRLYVTIPLGIKIQ  
VNTPLVGASLLRLAVKLDITAEILAVRDKQERIHVLVGDCTHSPGSLQISLLDGLGPLPIQGLLDSLTI  
LNKVLPELVQGNVCPVNEVLRGLDITLVHDIVNMLIHGLQFVIKV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 24.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_057667](#)

**Locus ID:** 51297



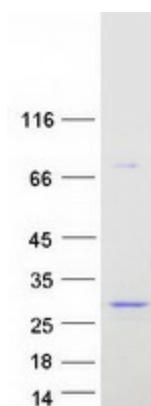
[View online »](#)

UniProt ID: [Q9NP55](#)  
RefSeq Size: 1049  
Cytogenetics: 20q11.21  
RefSeq ORF: 768  
Synonyms: bA49G10.5; LUNX; NASG; PLUNC; SPLUNC1; SPURT

**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]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified BPIFA1 protein (Cat# [TP313322]). The protein was produced from HEK293T cells transfected with BPIFA1 cDNA clone (Cat# [RC213322]) using MegaTran 2.0 (Cat# [TT210002]).