

Recombinant Human BPIFA1 Protein, His/GST-tagged

Cat. No. BPIFA1-746H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BPIFA1(Gln20~Val256) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln20~Val256
Description	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.
Form	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	54.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	BPIFA1 BPI fold containing family A, member 1 [Homo sapiens]
Official Symbol	BPIFA1
Synonyms	BPIFA1; BPI fold containing family A, member 1; LUNX; NASG; PLUNC; SPURT; SPLUNC1; bA49G10.5; BPI fold-containing family A member 1; protein Plunc; von Ebner protein HI; lung-specific protein X; ligand-binding protein RYA3; tracheal epithelium enriched protein; tracheal epithelium-enriched protein; nasopharyngeal carcinoma-related protein; palate, lung and nasal epithelium associated; secretory protein in upper respiratory tracts; palate lung and nasal epithelium clone protein; UNQ787/PRO1606
Gene ID	51297

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mRNA Refseq	NM_130852
Protein Refseq	NP_057667
MIM	607412
UniProt ID	Q9NP55

