

## Recombinant Mouse Bpifa1 Protein, Myc/DDK-tagged

**Cat. No.** Bpifa1-1886M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length BPI fold containing family A, member 1 (Bpifa1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Lipid-binding protein which shows high specificity for the surfactant phospholipid dipalmitoylphosphatidylcholine (DPPC). Plays a role in the innate immune responses of the upper airways. Reduces the surface tension in secretions from airway epithelia and inhibits the formation of biofilm by pathogenic Gram-negative bacteria, such as <i>P.aeruginosa</i> and <i>K.pneumoniae</i> . Negatively regulates proteolytic cleavage of SCNN1G, an event that is required for activation of the epithelial sodium channel (ENaC), and thereby contributes to airway surface liquid homeostasis and proper clearance of mucus. Plays a role in the airway inflammatory response after exposure to irritants. May attract macrophages and neutrophils.
<b>Molecular Mass</b>	28.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Bpifa1 BPI fold containing family A, member 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Bpifa1](#)

**Synonyms**

Bpifa1; BPI fold containing family A, member 1; PI; SPL; LUNX; NASG; Plunc; SPURT; SPLUNC1; BPI fold-containing family A member 1; palate lung and nasal epithelium clone protein; palate, lung, and nasal epithelium associated; palate, lung, and nasal epithelium clone; palate, lung, and nasal epithelium expressed transcript; protein Plunc

**Gene ID** [18843](#)

**mRNA Refseq** [NM\\_011126](#)

**Protein Refseq** [NP\\_035256](#)

**UniProt ID** [P97361](#)

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