

Recombinant Mouse Bpifa1 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	28.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	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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