

Recombinant Human BPIFA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BPIFA1-2084H Lot. No. (See product label)

SPECIFICATION

Product Overview

PLUNC MS Standard C13 and N15-labeled recombinant protein (NP_570913) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

26.7 kDa

AA Sequence

MFQTGGLIVFYGLLAQTMAQFGGLPVPLDQTLPLNVNPALPLSPTGLAGSLTNALSN
 GLLSGGLLGILENLPLLDILKPGGGTSGGLLGGLLGKVTVIPGLNNIIDIKVTDQPQLE
 LGLVQSPDGHRLYVTIPLGIKLVNTPLVGASLLRLAVKLDITAEILAVRDKQERIHVL
 GDCTHSPGSLQISLLDGLGPLPIQGLLDLSLTGILNKVLPVLVQGNVCPLVNEVLRGLDI
 TLVHDIVNMLIHGLQFVIK/TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	BPIFA1 BPI fold containing family A member 1 [Homo sapiens (human)]
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
mRNA Refseq	NM_130852
Protein Refseq	NP_570913

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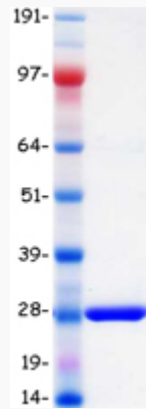
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MIM 607412


UniProt ID Q9NP55

SDS-PAGE



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