Product information



BPIFA1, 20-256aa

Human, His-tagged, Recombinant, E.coli

Cat. No. IBATGP1908

Full name: BPI fold-containing family A, member 1 NCBI Accession No.: NP_057667

Synonyms: bA49G10.5, LPLUNC3, LUNX, NASG, PLUNC, SPURT

Description: BPIFA1, also known as PLUNC, belongs to the short subfamily of PLUNC family proteins and have homology only to the Nterminal domains of BPI. It is a secreted protein that is expressed in the secretory ducts and submucosal glands of tracheobronchial tissues. BPIFA1 binds to lipopolysaccharide (LPS) in nasal lavage fluid (NLF) which points to its role in the inflammatory response of the upper airways after exposure to irritants. Decreased levels of BPIFA1 occur in the NLF of smokers and people who have been exposed to reactive epoxy chemicals, indicating that long-term exposure to airway irritants impairs the production of BPIFA1 in the upper respiratory tract. Recombinant human BPIFA1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

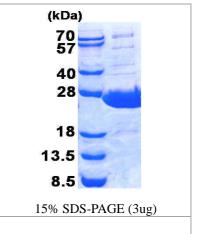
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl,

30% glycerol

Molecular Weight: 27.1 kDa (260aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by BCA assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSQFGGLPV PLDQTLPLNV NPALPLSPTG LAGSLTNALS NGLLSGGLLG ILENLPLLDI LKPGGGTSGG LLGGLLGKVT SVIPGLNNII DIKVTDPQLL ELGLVQSPDG HRLYVTIPLG IKLQVNTPLV GASLLRLAVK LDITAEILAV RDKQERIHLV LGDCTHSPGS LQISLLDGLG PLPIQGLLDS LTGILNKVLP ELVQGNVCPL VNEVLRGLDI TLVHDIVNML IHGLQFVIKV

General references:

Ghafouri B., et al. (2004) Biochem Biophys Acta. 1699:57-63.

Bingle C D., et al. (2002) Hum Mol Genet. 11: 937-943.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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