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BPIFA1, 20-256aa, Human, His tag, E.coli

产品货号: TP01362

第三版

别名: BPI fold-containing family A, member 1, bA49G10.5, LPLUNC3, LUNX, NASG, PLUNC, SPURT

描述: 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.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol

分子量: 27.1 kDa (260aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSQFGGLPVPLDQTLPLNVNPALPLSPTGLAGSLTNALSNGLLSGLLGILENLPLLDILK
PGGGTSGLLGLLGKVTIPGLNIIIDIKVTDQPQLLELGLVQSPDGHRLVYVTIPLGIKLVNTPLVGASLLRLAVKLDITA
EILAVRDKQERIHVLVGDCTHSPGSLQISLLDGLGPLPIQGLLDSL TGILNKVLPQLVQGNVCPLVNEVLRGLDITLVHDIVN
MLIHGLQFVIK V

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by BCA assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.