

32-3346: BPIFA1 Recombinant Protein

Alternative Name : BPI fold-containing family A member 1, Lung-specific protein X, Nasopharyngeal carcinoma-related protein, Palate lung and nasal epithelium clone protein, Secretory protein in upper respiratory tracts, Tracheal epithelium-enriched protein

Description

Source : Escherichia Coli. BPIFA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 260 amino acids (20-256 a.a) and having a molecular mass of 27.1kDa. BPIFA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. BPI fold containing family A Member 1 (BPIFA1) belongs to the short subfamily of PLUNC family proteins and have homology only to the Nterminal domains of BPI. BPIFA1 is a secreted protein which is expressed in the secretory ducts and submucosal glands of tracheobronchial tissues. BPIFA1 binds to LPS (lipopolysaccharide) in nasal lavage fluid (NLF) which alludes to its role in the inflammatory response of the upper airways after exposure to irritants. BPIFA1 may also serve as a potential molecular marker for detection of micrometastasis in non-small-cell lung cancer. Decreased levels of BPIFA1 are observed in the NLF of smokers and people who have been exposed to reactive epoxy chemicals, which indicates that long-term exposure to airway irritants damages the production of BPIFA1 in the upper respiratory tract.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : BPIFA1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 30% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSQFGGLPV PLDQTLPLNV NPALPLSPTG LAGSLTNALS
NGLLSGGLLG ILENLPLLDI LKPGGGTSGG LLGLLGKVT SVIPGLNNII DIKVTDPQLL
ELGLVQSPDG HRLYVTIPLG IKLQVNTPLV GASLLRLAVK LDITAEILAV RDKQERIHV
LGDCTHSPGS LQISLLDGLG PLPIQGLLDS LTGILNKVLP ELVQGNVCPL VNEVLRGLDI
TLVHDIVNML IHGLQFVIKV.

