9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

BPIFA1 Human

BPI fold containing family A Member 1 Human Recombinant
RCP0231

Product Overview

Name	BPIFA1 Human

Description

BPI fold containing family A Member 1 Human Recombinant

Accession (Primary)	Q9NP55

Synonyms

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, Von Ebner protein Hl, BPIFA1, LUNX, NASG, PLUNC, SPURT, SPLUNC1, bA49G10.5.

Introduction

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 indicats that long-term exposure to airway irritants damages the production of BPIFA1 in the upper respiratory tract.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

BPIFA1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 30% glycerol.

Stability

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

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Amino acid sequence

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

Precautions

BPIFA1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NP55)