

BPIFA1 recombinant protein

BPIFA1, 20-256aa, Human, His tag, E Coli

CATALOG # AAA48807	HOST E Coli	APPLICATIONS SDS-Page
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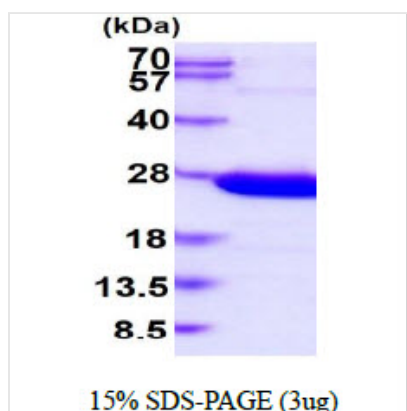
PRODUCT SYNONYMS

BPIFA1; 20-256aa; Human; His tag; E Coli; BPI fold-containing family A member 1; BPI fold-containing family A; member 1; bA49G10.5; LPLuNC3; LuNX; NASG; PLuNC; SPuRT; BPIFA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol
Concentration	0.5 mg/ml (determined by BCA assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSQFGGLPV PLDQTLPLNV NPALPLSPTG LAGSLTNALS NGLLSGGLLG ILENLPLLDI LKPGGGTSGG LLGGLLGKVT SVIPGLNNII DIKVTDPLQL ELGLVQSPDG HRLYVTIPLG IKLQVNTPLV GASLLRLAVK LDITAEILAV RDKQERIHLV LGDCTHSPGS LQISLLDGLG PLPIQGGLDS LTGILNKVLP ELVQGNVCPL VNEVLRGLDI TLVHDIVNML IHGLQFVIKV
Sequence Length	20-256aa
Applicable Applications for BPIFA1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for BPIFA1 recombinant protein	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.
Product Categories/Family for BPIFA1 recombinant protein	Immunology
References	Ghafouri B., et al. (2004) Biochem Biophys Acta. 1699:57-63.; Bingle C D., et al. (2002) Hum Mol Genet. 11: 937-943.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706119
NCBI GeneID	51297
NCBI Accession #	NP_057667
NCBI GenBank Nucleotide #	NM_016583.3
UniProt Accession #	Q9NP55; Q9NZT0; A6XMV5; A8K9R3; E1P5M9
Molecular Weight	27.1 kDa (260aa), confirmed by MALDI-TOF
NCBI Official Full Name	BPI fold-containing family A member 1
NCBI Official Synonym Full Names	BPI fold containing family A member 1
NCBI Official Symbol	BPIFA1
NCBI Official Synonym Symbols	LUNX; NASG; PLUNC; SPURT; SPLUNC1; bA49G10.5
NCBI Protein Information	BPI fold-containing family A member 1
UniProt Protein Name	BPI fold-containing family A member 1
UniProt Gene Name	BPIFA1
UniProt Synonym Gene Names	LUNX; NASG; PLUNC; SPLUNC1; SPURT; SPLUNC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.