

Recombinant Human BPIFA1 protein, GST-tagged

Cat. No. BPIFA1-1801H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BPIFA1 protein(1-256 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-256 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MFQTGGLIVFYGLLAQTMAQFGGLPVPLDQTLPLNVNPALPLSPTGLAGSLTNALSN GLLSGLLGILENLPLLDILKPGGGTSGLLGGLLGKVTVIPGLNNIIDIKVTDQPQLE LGLVQSPDGHRLVYTIPLGIKLVNTPLVGASLLRLAVKLDITAEILAVRDKQERIHVLV GDCTHSPGSLQISLLDGLGPLPIQGLLDLSLTGILNKVLPPELVQGNVCPVNEVLRGLDI TLVHDIVNMLIHGLQFVIKV
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

BPIFA1 BPI fold containing family A, member 1 [Homo sapiens]

Official Symbol

BPIFA1

Synonyms

BPIFA1; BPI fold containing family A, member 1; LUNX; NASG; PLUNC; SPURT; SPLUNC1; bA49G10.5; BPI fold-containing family A member 1; protein Plunc; von Ebner protein HI; lung-specific protein X; ligand-binding protein RYA3; tracheal epithelium enriched protein; tracheal epithelium-enriched protein; nasopharyngeal carcinoma-related protein; palate, lung and nasal epithelium associated; secretory protein in upper respiratory tracts; palate lung and nasal epithelium clone protein; UNQ787/PRO1606

Gene ID

51297

mRNA Refseq

NM_130852

Protein Refseq

NP_057667

MIM

607412

UniProt ID

Q9NP55

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SDS-PAGE



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