

Datasheet for ABIN2729200

BPIFA1 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	20 µg
Target:	BPIFA1
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BPIFA1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human PLUNC (transcript variant 1) protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	BPIFA1
Alternative Name:	Plunc (BPIFA1 Products)
Background:	This gene is the human homolog of murine plunc, and like the mouse gene, is specifically expressed in the upper airways and nasopharyngeal regions. The encoded antimicrobial protein displays antibacterial activity against Gram-negative bacteria. It is thought to be involved in inflammatory responses to irritants in the upper airways and may also serve as a potential

Target Details

molecular marker for detection of micrometastasis in non-small-cell lung cancer. Multiple transcript variants resulting from alternative splicing in the 3' UTR have been detected, but the full-length nature of only three are known.

Molecular Weight: 24.6 kDa

NCBI Accession: [NP_057667](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in: Graham, Lackner, Terracciano, González-Cantú, Maleszewski, Greipp, Simon, Torbenson: "Fibrolamellar carcinoma in the Carney complex: PRKAR1A loss instead of the classic DNAJB1-PRKACA fusion." in: **Hepatology (Baltimore, Md.)**, Vol. 68, Issue 4, pp. 1441-1447, (2019) ([PubMed](#)).

Graham, Terracciano, Meves, Vanderboom, Dasari, Yeh, Torbenson, Cruise: "Hepatic adenomas with synchronous or metachronous fibrolamellar carcinomas: both are characterized by LFABP loss." in: **Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc**, Vol. 29, Issue 6, pp. 607-15, (2018) ([PubMed](#)).

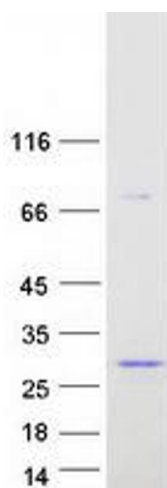
Sousa, Gomez, Diniz, Bernardes, Soares, Brito, Liu, Pontes, Stratakis, Gomes: "Defects of the

Carney complex gene (PRKAR1A) in odontogenic tumors." in: **Endocrine-related cancer**, Vol. 22, Issue 3, pp. 399-408, (2015) ([PubMed](#)).

Maleszewski, Larsen, Kip, Castonguay, Edwards, Carney, Kipp: "PRKAR1A in the development of cardiac myxoma: a study of 110 cases including isolated and syndromic tumors." in: **The American journal of surgical pathology**, Vol. 38, Issue 8, pp. 1079-87, (2014) ([PubMed](#)).

Wells, O'Reilly, Szul, Sullivan, Handley, Garrett, McNicholas, Roda, Miller, Tal-Singer, Gaggar, Rennard, Jackson, Blalock: "An aberrant leukotriene A4 hydrolase-proline-glycine-proline pathway in the pathogenesis of chronic obstructive pulmonary disease." in: **American journal of respiratory and critical care medicine**, Vol. 190, Issue 1, pp. 51-61, (2014) ([PubMed](#)).

Images



Western Blotting

Image 1. Validation with Western Blot