

Datasheet for ABIN2729208

PML Protein (Transcript Variant 9) (Myc-DYKDDDDK Tag)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	20 µg
Target:	PML
Protein Characteristics:	Transcript Variant 9
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PML protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human PML / RNF71 (transcript variant 9) 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:	PML
Alternative Name:	Pml,rnf71 (PML Products)
Background:	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This phosphoprotein localizes to nuclear bodies where it functions as a transcription factor and tumor suppressor. Its expression is cell-cycle related and it regulates

Target Details

the p53 response to oncogenic signals. The gene is often involved in the translocation with the retinoic acid receptor alpha gene associated with acute promyelocytic leukemia (APL).

Extensive alternative splicing of this gene results in several variations of the protein's central and C-terminal regions all variants encode the same N-terminus. Alternatively spliced transcript variants encoding different isoforms have been identified.

Molecular Weight: 90.5 kDa

NCBI Accession: [NP_150242](#)

Pathways: [p53 Signaling](#), [Retinoic Acid Receptor Signaling Pathway](#), [Maintenance of Protein Location](#), [Positive Regulation of Endopeptidase Activity](#), [Protein targeting to Nucleus](#)

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 DNAB1-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

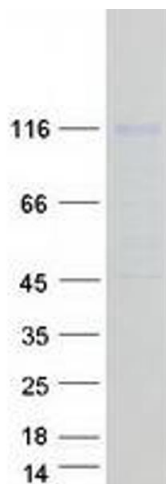
loss." in: **Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc**, Vol. 29, Issue 6, pp. 607-15, (2018) ([PubMed](#)).

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