

## Product datasheet for PH320236

### PML Protein (PML) (NM\_033244) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PML MS Standard C13 and N15-labeled recombinant protein (NP_150247)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220236
Predicted MW:	61.8 kDa
Protein Sequence:	>RC220236 representing NM_033244 Red=Cloning site Green=Tags(s)
	MEPAPARSPRPQQDPARPQEPTMPPPETPSEGRQPSPSPSPTERAPASEEEFQFLRCQQCQAEAKCPKLL PCLHTLCSGCLASGMQCPICQAPWPLGADTPALDNVFFESLQRRLSVYRQIVDAQAVCTRCKESADFWC FECEQLLCAKCFEAHQWFLKHEARPLAELRNQSVREFLDGTRKTNNIFCSNPNHRTPTLTSIYCRGCSKP LCCSCALLDSSHSELKCDISAEIQQRQEELDAMTQALQEQDSAFGAVHAQMHAAVGQLGRARAETEELIR ERVVRQVVAHVRAQERELLEAVDARYQRDYEMASRLGRLDAVLQRIRTGSALVQRMKCYASDQEVLDMHG FLRQALCRLRQEEPQSLQAAVRTDGFDEFKVRQLDSSCITQGKDAAVSKKASPEAASTPRPIDVDLPE EAERVKAQVQALGLAEAQPMVAVQSVPGAHPVPVYAFSIIKGPSYGEDVSNNTTAAQKRKCSQTQCPKRVIK MESEEGKEARLARSSPEQPRPSTKAVSPPHLDGPPSPRSPVIGSEVFLPNSNHVASGAGEAGRERNALW
	SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_150247</u>
RefSeq Size:	3096
RefSeq ORF:	1680



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**Synonyms:** MYL; PP8675; RNF71; TRIM19

**Locus ID:** 5371

**UniProt ID:** [P29590](#)

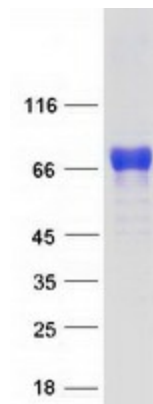
**Cytogenetics:** 15q24.1

**Summary:** 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 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Acute myeloid leukemia, Pathways in cancer, Ubiquitin mediated proteolysis

### Product images:



Coomassie blue staining of purified PML protein (Cat# [TP320236]). The protein was produced from HEK293T cells transfected with PML cDNA clone (Cat# [RC220236]) using MegaTran 2.0 (Cat# [TT210002]).