

## Product datasheet for **RC224728L3V**

### PML Protein (PML) (NM\_033249) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | PML Protein (PML) (NM_033249) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | PML  |
| Synonyms:                 | MYL; PP8675; RNF71; TRIM19   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_033249  |
| ORF Size:                 | 1755 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC224728).   |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_033249.2</a> , <a href="#">NP_150252.1</a>  |
| RefSeq Size:              | 2110 bp  |
| RefSeq ORF:               | 1758 bp  |
| Locus ID:                 | 5371   |
| UniProt ID:               | <a href="#">P29590</a>   |
| Cytogenetics:             | 15q24.1  |
| Protein Families:         | Druggable Genome, Transcription Factors  |
| Protein Pathways:         | Acute myeloid leukemia, Pathways in cancer, Ubiquitin mediated proteolysis   |



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**MW:** 65 kDa

**Gene 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]