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Product datasheet for TP510910

Pml (NM_008884) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse promyelocytic leukemia (Pml), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210910 representing NM_008884 Red=Cloning site Green=Tags(s) METEPVSVQKVPAPPGSPCRQQDSALTPTPTMPPPEEPSEDYEHSQSPAEQAIQEEFQFLRCPSCQAQAK CPKLLPCLHTLCSGCLEAPGLQCPICKAPGQADANGEALDNVFFESLQRRLAVFRQIVDAQAACTRCKGL ADFWCFECEQLICSKCFEAHQWYLKHEARPLADLRDNSVSSFLDSTRKSNIFCSNTNHRNPALTDIYCRG CAKPLCCTCALLDRNHSHLHCDIGEEIQQWHEELGTMTQTLEEQGRTFDSAHAQMCSAIGQLDHARADIE KQIRARVRQVVDYVQAQERELLEAVNDRYQRDYQEIAGQLSCLEAVLQRIRTSGALVKRMKLYASDQEVL DMHSFLRKALCSLRQEEPQNQKVQLLTRGFEEFKLCLQDFISCITQRINAAVASPEAASNQPEAASTHPV TTSTPEDLEQEASQTVGSMKRKCSHEDCSRKIIKMESTEENEDRLATSSPEQSWPSTFKATSPPHLDGTS NPESTVPEKKILLPNNNHVTSDTGETEERVVVISSSEDSDTENLSSHELDDSSSESSSLQLEGPNSLKAL DESLAEPHLEDRTLVFFDLKIDNETQKISQLAAVNRESKFRVLIQPEAFSVYSKAVSLEAGLRHFLSFLT TMHRPILACSRLWGPGLPIFFQTLSDINKLWEFQDTISGFLAVLPLIRERIPGASSFKLGNLAKTYLARN MSERSALASVLAMRDLCCLLEISPGLPLAQHIYSFSSLQCFASLQPLIQASVLPQSEARLLALHNVSFVE LLNAYRTNRQEGLKKYVHYLSLQTTPLSSSASTQVAQFLQALSTHMEGLLEGHAPAGAEGKAESKGCLA SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	93.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.

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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032910
Locus ID:	18854
UniProt ID:	Q60953, Q8BSJ6
RefSeq Size:	5240
Cytogenetics:	9 31.63 cM
RefSeq ORF:	2517
Synonyms:	1200009E24Rik; AI661194; Trim19
Summary:	Functions via its association with PML-nuclear bodies (PML-NBs) in a wide range of important cellular processes, including tumor suppression, transcriptional regulation, apoptosis, senescence, DNA damage response, and viral defense mechanisms. Acts as the scaffold of PML-NBs allowing other proteins to shuttle in and out, a process which is regulated by SUMO-mediated modifications and interactions. Positively regulates p53/TP53 by acting at different levels (by promoting its acetylation and phosphorylation and by inhibiting its MDM2-dependent degradation). Regulates phosphorylation of ITPR3 and plays a role in the regulation of calcium homeostasis at the endoplasmic reticulum. Regulates RB1 phosphorylation and activity. Acts as both a negative regulator of PPARGC1A acetylation and a potent activator of PPAR signaling and fatty acid oxidation. Regulates translation of HIF1A by sequestering MTOR, and thereby plays a role in neoangiogenesis and tumor vascularization. Regulates PER2 nuclear localization and circadian function. Cytoplasmic PML is involved in the regulation of the TGF-beta signaling pathway. Required for normal development of the brain cortex during embryogenesis. Plays a role in granulopoiesis or monopoiesis of myeloid progenitor cells. May play a role regulating stem and progenitor cell fate in tissues as diverse as blood, brain and breast. Shows antiviral activity towards lymphocytic choriomeningitis virus (LCMV) and the vesicular stomatitis virus (VSV).[UniProtKB/Swiss-Prot Function]