

## Product datasheet for TP314026

### PRDM16 (NM\_022114) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PR domain containing 16 (PRDM16), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214026 representing NM_022114 Red=Cloning site Green=Tags(s)

MRSKARARKLAKSDGDVNNMYEPNRDLLASHSAEDEAEDSAMSPIVGGPPSPFPTSEDFTPKEGSPYEA  
PVYIPEDIPIADFELRESSIPGAGLGWVAKRKMEAGERLGPCVWVPRAAAKETDFGWEQILTDVEVSPQ  
EGCITKISEDLGSEKFCVDANQAGAGSWLKYIRVACSCDDQNLTMQISEQIYYKVIKIDIEPGEELLVHV  
KEGVYPLGTVPPGLDEEPTFRCDCEDELFSKLDLRRHKKYTCGSVGAALYEGLAEEELKPEGLGGGSGQA  
HECKDCERMFPNKYSLEQHMVIHTEEREYKCDQCPKAFNWKSNLIRHQMSHDSGKRFECENCVKVFTDPS  
NLQRHIRSQHVGARAHACPDGKTFATSSGLKQHKHIHSTVKPFICEVCHKSYTQFSNLCRHKRMHADCR  
TQIKCKDCGQMFSTTSSLNKHRRFCEGKNHYTPGGIFAPGLPLTPSPMMDKAKPSPSLNHASLGFNEYFP  
SRPHPGSLPFSTAPPTFPALTPGFGIFPPSLYPRPPLLPTSLLSPLNHTQDAKLPSPLGNPALPLVS  
AVSNSSQGTAAAGPEEKFESRLEDSCVEKLRSSDMSDGSDFEDVNTTTGTDLDTTGTGSDLDSDVD  
SDPDKDKGKGS AEGQPKFGGLAPP GAPNSVAEVPVFYSQHSFFPPPDEQLLTATGAAGDSIKAIASIA  
EKYFGPGFMGMQEKKLGSLPYHSAPFPQFLPNFPHSLYPFTDRALAHNLLVKAEPKSPRDALKVGGPSAE  
CPFDLTKPKDVKPILPMPKGPSAPASGEEQPLDLSIGSRARASQNGGGRPRKNHVYGERKLGAGEGLP  
QVCPARMPQQPPLHYAKSPFFMDPIYSRVEKRKVTDPVGALKEKYLRSPLL FHPQMSAIETMTEKLES  
FAAMKADSGSSLQPLPHHPFNFRSPPPTLSDPILRKGKERYTCRYCGKIFPRSANLRLRHTHTGEQPYR  
CKYCDRSFSISSNLQRHVRNIHNKEKPFKCHLCNRCFGQQTNLDRHLKKHEHENAPVSQHPGVLTNHLGT  
SASSPTSESDNHALLDEKEDSYFSEIRNFIANSEMNASTRTEKRAMQIVDGSQAQCPGLASEKQEDVEE  
EDDDDLEEDDEDLAGKSQDDTVSPAPEPQAAYEDEEDEEPAASLAVGFDHTRRCAEDHEGGLLALEPMP  
TFGKGLDLRRAAEEAFEVKDVLNSTLDSEALKHTLCRQAKNQAYAMMLSLSEDTP LHTPSQGS L DAWLKV  
TGATSESGAFHPINHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

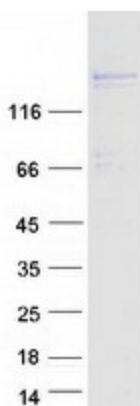
Tag:	C-Myc/DDK
Predicted MW:	140.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_071397</a>
<b>Locus ID:</b>	63976
<b>UniProt ID:</b>	<a href="#">Q9HAZ2</a>
<b>RefSeq Size:</b>	8726
<b>Cytogenetics:</b>	1p36.32
<b>RefSeq ORF:</b>	3828
<b>Synonyms:</b>	CMD1LL; KMT8F; LVNC8; MEL1; PFM13
<b>Summary:</b>	The reciprocal translocation t(1;3)(p36;q21) occurs in a subset of myelodysplastic syndrome (MDS) and acute myeloid leukemia (AML). This gene is located near the 1p36.3 breakpoint and has been shown to be specifically expressed in the t(1;3)(p36,q21)-positive MDS/AML. The protein encoded by this gene is a zinc finger transcription factor and contains an N-terminal PR domain. The translocation results in the overexpression of a truncated version of this protein that lacks the PR domain, which may play an important role in the pathogenesis of MDS and AML. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

## Product images:



Coomassie blue staining of purified PRDM16 protein (Cat# TP314026). The protein was produced from HEK293T cells transfected with PRDM16 cDNA clone (Cat# [RC214026]) using MegaTran 2.0 (Cat# [TT210002]).