

Product datasheet for TP314026M

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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214026 representing NM_022114 Red=Cloning site Green=Tags(s)

MRSKARARKLAKSDGDVNNMYEPNRDLLASHSAEDEAEDSAMSPIVGGPPSPFPTSEDFTPKEGSPYEA
PVYIPEDIPIADFELRESSIPGAGLGVWAKRKMEAGERLGPCVWPRAAAKETDFGWEQILTDVEVSPQ
EGCITKISEDLGSEKFCVDANQAGAGSWLKYIRVACSCDDQNLTMQISEQIYKVIKIDIEPGEELLVHV
KEGVYPLGTVPPLDEEPTFRCEDELFQSKLDLRRHKKYTCGSVGAALYEGLAEEELKPEGLGGSGQA
HECKDCERMFPNKYSLEQHMVIHTEEREYKCDQCPKAFNWKSNLIRHQMSHDSGKRFECENCVKVFTDPS
NLQRHIRSQHVGARAHACPDGKTFATSSGLKQHKHIHSTVKPFICEVCHKSYTQFSNLCRHKRMHADCR
TQICKKDCGQMFSTTSSLNKHRRFCEGKNHYTPGGIFAPGLPLTPSPMMDKAKPSPSLNHASLGFNEYFP
SRPHPGSLPFSTAPPTFPALTPGFGPIPPSLYPRPPLLPTSLKSPLNHTQDAKLPSPLGNPALPLVS
AVSNSSQGTAAAGPEEKFESRLEDSCVEKLRSSDMSDGSDFEDVNTTTGTDLDTTGTGSDLSDSDVD
SDPDKDKGKGS AEGQPKFGGLAPP GAPNSVAEVPVFYSQHSFFPPPDEQLLTATGAAGDSIKAIASIA
EKYFGPGFMGMQEKKLGLSPYHSAPFPQFLPNFPHSLYPFTDRALAHNLLVKAEPKSPRDALKVGGPSAE
CPFDLTTKPKDVKPILPMPKGPSAPASGEEQPLDLSIGSRARASQNGGGREPRKNHVVYGERKLGAGEGLP
QVCPARMPQQPPLHYAKPSPFFMDPIYSRVEKRKVTDPVGALKEKYLRSPLLPHQMSAIETMTEKLES
FAAMKADSGSSLQPLPHHPFNFRSPPTLSDPILRKGKERYTCRYCGKIFPRSANLTRLRHTHTGEQPYR
CKYCDRSFSSNLQRHVRNIHNKEKPFKCHLCNRCFGQQTNLDRHLKKEHENAPVSQHPGVLTNHLGT
SASSPTSESDNHALLDEKEDSYFSEIRNFIANSEMNASTRTEKRAMQIVDGSQAQCPGLASEKQEDVEE
EDDDLEEDDEDSLAKSQQDDTVSPAPEPQAAYEDEEDEEPAASLAVGFDHTRRCAEDHEGGLLALEPMP
TFGKGLDLRRAAEEAFEVKDVLNSTLDSEALKHTLCRQAKNQAYAMMLSSEDTPLHTPSQGS L DAWLKV
TGATSESGAFHPINHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

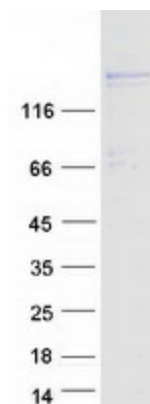
Tag:	C-Myc/DDK
Predicted MW:	140.1 kDa



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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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_071397
Locus ID:	63976
UniProt ID:	Q9HAZ2
RefSeq Size:	8726
Cytogenetics:	1p36.32
RefSeq ORF:	3828
Synonyms:	CMD1LL; KMT8F; LVNC8; MEL1; PFM13
Summary:	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]).