

Product datasheet for PH314026

PRDM16 (NM_022114) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRDM16 MS Standard C13 and N15-labeled recombinant protein (NP_071397)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214026
Predicted MW:	140.1 kDa
Protein Sequence:	>RC214026 representing NM_022114 Red=Cloning site Green=Tags(s)

MRSKARARKLAKSDGDVVNNMYEPNRDLLASHSAEDEAEDSAMSPIPVGPSPFPPTSEDFTPKEGSPYEA
 PYYIPEDIPIPADFELRESSIPGAGLGWAKRMEAGERLGPCVVVPRAAAKETDFGWEQILTDVEVSPQ
 EGCITKISEDLGSEKFCVDANQAGAGSWLKYIRVACSCDDQNL TMCQISEQIYYKVIKDIIEPGEELLVHV
 KEGVYPLGTVPPGLDEEPTFRCDCEDEL FQSKLDLRRHKKYTCGSVGAAL YEGLAEELKPEGLGGGSGQA
 HECKDCERMFNPKYSLEQHMVIHTEEREYKCDQCPKAFNWKSNL IRHQMSHDSGKRFECENCVKVFTDPS
 NLQRHIRSQHVGARAHACPDGKTFATSSGLKQHKHIHSTVKPF ICEVCHKSYTQF SNLCRHKRMHADCR
 TQIKCKDCGQMFSTTSSLNKHRRFCEGNHYTPGGIFAPGLPL TSPMMDKAKPSPSLNHASLGFNEYFP
 SRPHPGSLPFSTAPPTFPALTPGFPGIFPPSLYPRPPLLPTSLLLKSPLNHTQDAKLPSPLGNPALPLVS
 AVSNSSQGTAAAGPEEKFE SRLIEDSCVEKLRSSDMSDGSDFEDVNTTGTDLDTTGTGSDLDSDVD
 SDPDKDKGKGKSAEGQPKFGGGLAPPGAPNSVAEVPVYFSQHSFFPPPDEQLLTATGAAGDSIKAIASIA
 EKYFGPGFMGMQEKKLGSLPYHSAPPFQFLPNFPHSLYPFTDRALAHNLLVKAEPKSPRDALKVGGPSAE
 CPFDLTTKPKDVKPILPMPKGPSAPASGEEQPLDLSIGSRARASQNGGREGPRKNHVYGERKLGAGEGLP
 QVCPARMPQQPPLHYAKPSPFFMDPIYSRVEKRKVTDPV GALKEKYL RPSPLL FHPQMSAIETMTEKLES
 FAAMKADSGSSLQPLPHHPFNFRSPPPTLSDPILRKGKERYTCRYCGKIFPRSANLTRHLRTHTGEQPYR
 CKYCDRSF S I SSNLQRHVRNIHNKEKPFKCHLCNRCFGQQTNLDRHLKKHEHENAPVSQHPGVL TNH LGT
 SASSPTESDNHALLDEKEDSYFSEIRNF IANSEMNQASTRTEKRAMQIVDGSACQPLASEKQEDVEE
 EDDDDLEEDDEDSL A GKSQDDTVSAPPEPQAAYEDEEDEEPAASLAVGFDHTRRCAEDHEGGLL ALEPMP
 TFGKGLDLRRAAEEAFEVKDVLNSTLDSEALKHTLCRQAKNQAYAMMLSLSEDTPLHTPSQGS L DAWLKV
 TGATSESGAFHPINHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

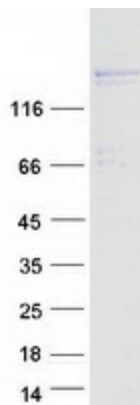
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_071397
RefSeq Size:	8726
RefSeq ORF:	3828
Synonyms:	CMD1LL; KMT8F; LVNC8; MEL1; PFM13
Locus ID:	63976
UniProt ID:	Q9HAZ2
Cytogenetics:	1p36.32
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]).