

Recombinant Human PRDM16 protein, MYC/DDK-tagged

Cat. No. PRDM16-8327H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRDM16 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	140.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	PRDM16 PR domain containing 16 [Homo sapiens]
Official Symbol	PRDM16
Synonyms	PRDM16; PR domain containing 16; PR domain zinc finger protein 16; KIAA1675; MDS1/EVI1 like; MEL1; MGC166915; PFM13; transcription factor MEL1; MDS1/EVI1-like gene 1;
Gene ID	63976
mRNA Refseq	NM_022114
Protein Refseq	NP_071397
MIM	605557
UniProt ID	Q9HAZ2
Chromosome Location	1p36.23-p33
Function	SMAD binding; metal ion binding; protein binding; sequence-specific DNA binding; transcription coactivator activity; zinc ion binding;

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