

Recombinant Human PRDM2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRDM2-5535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRDM2 MS Standard C13 and N15-labeled recombinant protein (NP_001129082) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This tumor suppressor gene is a member of a nuclear histone/protein methyltransferase superfamily. It encodes a zinc finger protein that can bind to retinoblastoma protein, estrogen receptor, and the TPA-responsive element (MTE) of the heme-oxygenase-1 gene. Although the functions of this protein have not been fully characterized, it may (1) play a role in transcriptional regulation during neuronal differentiation and pathogenesis of retinoblastoma, (2) act as a transcriptional activator of the heme-oxygenase-1 gene, and (3) be a specific effector of estrogen action. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	25.3 kDa
AA Sequence	MNQNTTEPVAATETLAEVPEHVLRLGLPEEVRLFPSAVDKTRIGVWATKPILKGKKFG PFVGDKKKRSQVKNNVYMWEVYYPNLGWMCIDATDPEKGNWLRVYNWACSGEE QNLFPLEINRAIYYKTLKPIAPGEE LLVWYNGEDNPEIAAAIEEERASARSKRSSPKSR KATASAWRPDALHQRPRTPSGSIGRSKLQLQPSSRDHSSKSRHSGCSLTAPEVTW

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NQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PRDM2 PR/SET domain 2 [Homo sapiens (human)]
Official Symbol	PRDM2
Synonyms	PRDM2; PR domain containing 2, with ZNF domain; PR domain zinc finger protein 2; GATA 3 binding protein G3B; HUMHOXY1; KMT8; MTB ZF; MTE binding protein; retinoblastoma protein binding zinc finger protein; retinoblastoma protein interacting zinc finger protein; RIZ; RIZ1; RIZ2; zinc finger DNA binding protein; MTE-binding protein; zinc finger protein RIZ; GATA-3 binding protein G3B; GATA-3-binding protein G3B; lysine N-methyltransferase 8; PR domain-containing protein 2; zinc-finger DNA-binding protein; retinoblastoma protein-binding zinc finger protein; retinoblastoma protein-interacting zinc finger protein; MTB-ZF;
Gene ID	7799
mRNA Refseq	NM_001135610

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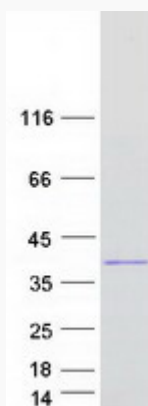
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Protein Refseq NP_001129082

MIM 601196

UniProt ID Q13029

SDS-PAGE



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