

Recombinant Human PRDM14, FLAG-tagged

Cat. No. PRDM14-66H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRDM14 (accession number NP_078780.1) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 67 kDa.
Species	Human
Source	Sf9 Cells
Description	PRDM14 (PR Domain Containing 14) is a member of the PRDI-BF1 and RIZ homology domain containing (PRDM) family of transcriptional regulators. PRDM14 possesses histone methyltransferase activity. PRDM14 is a transcription factor that has both positive and negative roles on transcription. It is required for the maintenance of embryonic stem cell identity and the reacquisition of pluripotency in somatic cells. PRDM14 may play an essential role in germ cell development at two levels: the reacquisition of potential pluripotency, including Sox2 up-regulation, and successful epigenetic reprogramming, characterized by EHMT1 repression. PRDM14 directly up-regulates the expression of pluripotency gene Oct4 through its proximal enhancer. PRDM14 binds to the DNA consensus sequence 5"-GGTC[TC]CTAA-3."
Form	25 mM HEPES, pH 7.5, 150 mM NaCl and 5% glycerol.
Applications	Enzyme kinetics, inhibitor screening, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice

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when not in storage.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name PRDM14 PR domain containing 14 [Homo sapiens]

Official Symbol PRDM14

Synonyms PRDM14; PR domain containing 14; PR domain zinc finger protein 14; PR domain-containing protein 14; PFM11; MGC59730;

Gene ID 63978

mRNA Refseq NM_024504

Protein Refseq NP_078780

MIM 611781

UniProt ID Q9GZV8

Chromosome Location 8q13.3

Function DNA binding; metal ion binding; zinc ion binding;

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