

Recombinant Human PRMT6 Protein, MYC/DDK-tagged

Cat. No. PRMT6-3002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT6 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the arginine N-methyltransferase family, which catalyze the sequential transfer of methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins, to form methylated arginine derivatives and S-adenosyl-L-homocysteine. This protein can catalyze both, the formation of omega-N monomethylarginine and asymmetrical dimethylarginine, with a strong preference for the latter. It specifically mediates the asymmetric dimethylation of Arg2 of histone H3, and the methylated form represents a specific tag for epigenetic transcriptional repression. This protein also forms a complex with, and methylates DNA polymerase beta, resulting in stimulation of polymerase activity by enhancing DNA binding and processivity.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	PRMT6 protein arginine methyltransferase 6 [Homo sapiens]
Official Symbol	PRMT6
Synonyms	HRMT1L6; HRMT1L6
Gene ID	55170
mRNA Refseq	NM_018137
Protein Refseq	NP_060607
MIM	608274
UniProt ID	Q96LA8

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