

## 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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