

Recombinant Human PRMT6 Protein, His-tagged

Cat. No. PRMT6-044H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminal His-tagged human PRMT6 protein was expressed in Sf21 cells.
Species	Human
Source	Insect Cells
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.
Molecular Mass	43.7 kDa
Purity	≥60%
Stability	≥ 2 years
Storage	At -80 centigrade.

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Storage Buffer 50 mM Tris-HCl, pH 8.0, containing 150 mM sodium chloride, and 20% glycerol

GENE INFORMATION

Gene Name PRMT6 protein arginine methyltransferase 6 [Homo sapiens (human)]

Official Symbol PRMT6

Synonyms

PRMT6; protein arginine methyltransferase 6; HRMT1L6; protein arginine N-methyltransferase 6; HMT1 hnRNP methyltransferase-like 6; heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6; histone-arginine N-methyltransferase PRMT6; EC 2.1.1.319

Gene ID 55170

mRNA Refseq NM_018137

Protein Refseq NP_060607

MIM 608274

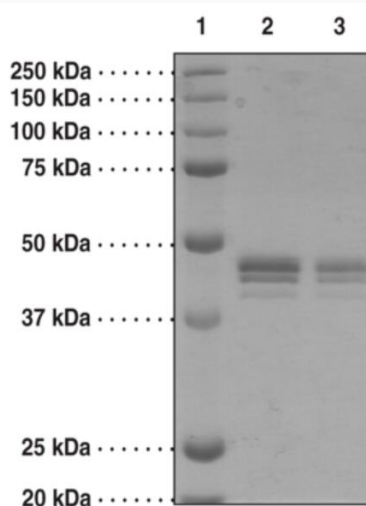
UniProt ID Q96LA8

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**SDS-PAGE analysis
of PRMT6**



Lane 1: MW Markers

Lane 2: PRMT6 (4 µg)

Lane 3: PRMT6 (4 µg)

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