

Recombinant Human Protein Arginine Methyltransferase 6

Cat. No. PRMT6-453H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT6, amino-acids 2-375(end), with N-terminal His-tag, MW=43 kDa, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-375 a.a.
Description	Protein arginine N-methyltransferase 6 is an enzyme that in humans is encoded by the PRMT6 gene. Protein arginine N-methyltransferases, such as PRMT6, catalyze the sequential transfer of a 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.
Purity	>45%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, 20% glycerol, and 3 mM DTT.
Stability	>6 months at -80°C.

GENE INFORMATION

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Gene Name	PRMT6 protein arginine methyltransferase 6 [Homo sapiens]
Synonyms	PRMT6; protein arginine methyltransferase 6; HRMT1L6; FLJ10559; FLJ51477; EC 2.1.1.125; protein arginine N-methyltransferase 6; Histone-arginine methyltransferase PRMT6; EC2.1.1.-; Protein arginine N-methyltransferase 6; HMT1 hnRNP methyltransferase-like 6 (S. cerevisiae); Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6
Gene ID	55170
mRNA Refseq	NM_018137
Protein Refseq	NP_060607
MIM	608274
UniProt ID	Q96LA8
Chromosome Location	1p13.2
Function	histone binding; transferase activity; protein methyltransferase activity; histone methyltransferase activity (H2A-R3 specific); histone methyltransferase activity (H3-R2 specific); histone methyltransferase activity (H4-R3 specific); protein methyltransferase activity; protein-arginine omega-N asymmetric methyltransferase activity

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