

Recombinant Human Protein Arginine Methyltransferase 5

Cat. No. PRMT5-452H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT5, amino-acids 2-end expressed in aFreeStyle 293-F cell/sexpression system. MW= 73 kDa.
Species	Human
Source	HEK293
ProteinLength	2-end a.a.
Description	Protein arginine N-methyltransferase 5 is an enzyme that in humans is encoded by the PRMT5 gene. Protein arginine methyltransferase 5 has been shown to interact with WD repeat-containing protein 77, CLNS1A, Janus kinase 2, SNRPD3 and SUPT5H.
Purity	>60%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.

GENE INFORMATION

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Gene Name	PRMT5 protein arginine methyltransferase 5 [Homo sapiens]
Synonyms	PRMT5; protein arginine methyltransferase 5; JBP1; SKB1; IBP72; SKB1Hs; HRMT1L5; SKB1 homolog; HMT1 hnRNP methyltransferase-like 5; EC 2.1.1.125; skb1 (S. pombe) homolog; SKB1 homolog (S. pombe); Protein arginine N-methyltransferase 5; Histone-arginine N-methyltransferase PRMT5; Jak-binding protein 1; 72 kDa ICLN-binding protein
Gene ID	10419
mRNA Refseq	NM_001039619
Protein Refseq	NP_001034708
MIM	604045
UniProt ID	O14744
Chromosome Location	14q11.2
Pathway	Metabolism of non-coding RNA
Function	histone-arginine N-methyltransferase activity; transferase activity; protein binding; protein-arginine omega-N symmetric methyltransferase activity; methyltransferase activity; ribonucleoprotein binding