

## Human PRMT5 Knockdown Cell Lysate

Cat. No. PRMT5-404HKCL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	WB-validated PRMT5 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>This gene encodes an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	73 kDa
<b>Notes</b>	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>
<b>Storage</b>	Store at -20 centigrade for two years.

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<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PRMT5 KD HeLa cell lysate
<b>Protein Families</b>	Stem cell - Pluripotency
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	PRMT5 protein arginine methyltransferase 5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PRMT5
<b>Synonyms</b>	PRMT5; protein arginine methyltransferase 5; HRMT1L5, SKB1, skb1 (S. pombe) homolog, SKB1 homolog (S. pombe); protein arginine N-methyltransferase 5; SKB1Hs; SKB1 homolog; jak-binding protein 1; 72 kDa ICln-binding protein; HMT1 hnRNP methyltransferase-like 5; shk1 kinase-binding protein 1 homolog; histone-arginine N-methyltransferase PRMT5; JBP1; SKB1; IBP72; HRMT1L5;
<b>Gene ID</b>	10419
<b>mRNA Refseq</b>	NM_001039619
<b>Protein Refseq</b>	NP_001034708
<b>MIM</b>	604045
<b>UniProt ID</b>	O14744

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