

Human PRMT5 Knockdown Cell Lysate

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

SPECIFICATION

Product Overview	WB-validated PRMT5 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	73 kDa
Notes	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.
Storage	Store at -20 centigrade for two years.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	PRMT5 protein arginine methyltransferase 5 [Homo sapiens (human)]
Official Symbol	PRMT5
Synonyms	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;
Gene ID	10419
mRNA Refseq	NM_001039619
Protein Refseq	NP_001034708
MIM	604045
UniProt ID	O14744

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