

Human PRMT7 Knockdown Cell Lysate

Cat. No. PRMT7-281HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PRMT7 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the protein arginine N-methyltransferase family of proteins. The encoded enzyme transfers single methyl groups to arginine residues to generate monomethylarginines on histone proteins as well as other protein substrates. This enzyme plays a role in a wide range of biological processes, including neuronal differentiation, male germ line imprinting, small nuclear ribonucleoprotein biogenesis, and regulation of the Wnt signaling pathway. Mutations in this gene underlie multiple related syndromes in human patients characterized by intellectual disability, short stature and other features. The encoded protein may promote breast cancer cell invasion and metastasis in human patients.
Form	Cell-Tissue Lysis buffer
Molecular Mass	78 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.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PRMT7 KD HeLa cell lysate
Protein Families	Druggable Genome
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PRMT7 protein arginine methyltransferase 7 [Homo sapiens (human)]
Official Symbol	PRMT7
Synonyms	PRMT7; protein arginine methyltransferase 7; protein arginine N-methyltransferase 7; FLJ10640; KIAA1933; histone-arginine N-methyltransferase PRMT7; myelin basic protein-arginine N-methyltransferase; [Myelin basic protein]-arginine N-methyltransferase PRMT7;
Gene ID	54496
mRNA Refseq	NM_001184824
Protein Refseq	NP_001171753
MIM	610087

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UniProt ID

Q9NVM4

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