

Human EHMT2 Knockdown Cell Lysate

Cat. No. EHMT2-514HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated EHMT2 Knockdown MCF7 Cell Lysate
Species	Human
Source	MCF7
Description	This gene encodes a methyltransferase that methylates lysine residues of histone H3. Methylation of H3 at lysine 9 by this protein results in recruitment of additional epigenetic regulators and repression of transcription. This gene was initially thought to be two different genes, NG36 and G9a, adjacent to each other in the HLA locus. Alternative splicing results in multiple transcript variants.
Form	Cell-Tissue Lysis buffer
Molecular Mass	132 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type MCF7 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.
Concentration	Lot-specific

 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

Shipping	Blue Ice
Components	1 vial of 100 µg WT MCF7 cell lysate 1 vial of 100 µg EHMT2 KD MCF7 cell lysate
Protein Families	Druggable Genome
Protein Pathways	Lysine degradation
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	EHMT2 euchromatic histone-lysine N-methyltransferase 2 [Homo sapiens (human)]
Official Symbol	EHMT2
Synonyms	EHMT2; euchromatic histone-lysine N-methyltransferase 2; BAT8, C6orf30, chromosome 6 open reading frame 30, HLA B associated transcript 8; histone-lysine N-methyltransferase EHMT2; Em:AF134726.3; G9A; KMT1C; NG36/G9a; protein G9a; H3-K9-HMTase 3; G9A histone methyltransferase; HLA-B associated transcript 8; HLA-B-associated transcript 8; lysine N-methyltransferase 1C; ankyrin repeat-containing protein; histone H3-K9 methyltransferase 3; histone-lysine N-methyltransferase, H3 lysine-9 specific 3; BAT8; GAT8; NG36; C6orf30; FLJ35547; DKFZp686H08213;
Gene ID	10919
mRNA Refseq	NM_006709
Protein Refseq	NP_006700

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MIM	604599
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UniProt ID	Q96KQ7
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