

Recombinant Human EHMT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EHMT2-1468H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EHMT2 MS Standard C13 and N15-labeled recombinant protein (NP_079532) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	128.8 kDa
AA Sequence	MAAAAGAAAAAAEAGEAPAEMGALLLEKETRGATERVHGSLGDTPRSEETLPKANP DSLEPAGPSSPASVTVTVGDEGADTPVGATPLIGDESENLEGDGLRGGRILLGHAT KSFPSPPSKGGSCPSRAKMSMTGAGKSPPSVQSLAMRLLSMPGAQGAAAAGSEP PPATTSPGQPKVHRARKTMSKPGNGQPPVPEKRPPEIQHFRMSDDVHSLGKVTS DLAKRRKLNSGGGLSEELGSARRSGEVTLTKGDPGSLEEWETVVGDDFSLYYDSY SVDERVDSKSEVEALTEQLSEEEEEEEEEEEEEEEEEEEEEEEDEESGNQSDR SGSSGRRKAKKKWRKDSPWVKPSRKRRKREPRAKEPRGVSNDTSSLETERGFE ELPLCSCRMEAPKIDRISERAGHKCMATESVDGELSGCNAAILKRETMRPSSRVALM

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VLCETHRARMVKHHCCPGCGYFCTAGTFLECHPDFRVAHRFHKACVSQNLNGMVFC
 PHCGEDASEAQEV TIPRGDGVTPPAGTAAPAPPPLSQDVPGRADTSQPSARMRGH
 GEPRRPPCDPLADTIDSSGPSLTLPNGGCLSAVGLPLGPGREALEKALVIQESERRK
 KLRFHPRQLYLSVKQGELQKVILMLLDNLDPNFQSDQQSKRTPLHAAAQKGSVEICH
 VLLQAGANINAVDKQQRTPLEAVVNNHLEVARYMVQRGGCVYSKEEDGSTCLHH
 AAKIGNLEMVSLLLSTGQVDVNAQDSGGWTPIIWAAEHKHIEVIRMLLTRGADVT LTD
 NEENICLHWASFTGSAAIAEVLLNARCDLHAVNYHGDTPHIAARES YHDCVLLFLSR
 GANPELRNKEGDTAWDLTPERSDVWFALQLNRKLRLGVGNRAIRTEKIICRDVARG
 YENVPIPCVNGVDGEPCPEDYKYISENCETSTMNIDRNITHLQHCTCVDDCSSNCL
 CGQLSIRCWYDKDGRLLQEFNKIEPLIFECNQACSCWRNCKNRVVQSGIKVRLQL
 YRTAKMGWGVRALQTIPQGT FICEYVGELISDAEADVREDDSYLFDLDNKDGEVYCI
 DARYYGNISRFINHLCDPNIIIPRVFMLHQDLRFPRIAFFSSRDIRTGEELGFDYGDRF
 WDIKSKYFTCQCGSEKCKHSAEIALEQSRLARLDPHPELLPELGS LPPVNTTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration

50 µg/mL as determined by BCA

Storage Buffer

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name

EHMT2 euchromatic histone-lysine N-methyltransferase 2 [Homo sapiens (human)]

Official Symbol

EHMT2

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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_025256

Protein Refseq

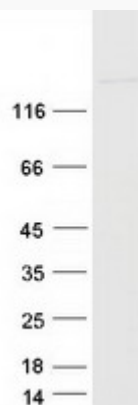
NP_079532

MIM

604599

UniProt ID

Q96KQ7

SDS-PAGE


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