

## Recombinant Human EHMT2 Protein, His-tagged

Cat. No. EHMT2-24H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant G9a Methyltransferase (aa 913-1193) protein with a N-terminal His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	913-1193
<b>Description</b>	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.
<b>Molecular Mass</b>	34.6 kDa
<b>Storage</b>	-70 centigrade. Thaw quickly and store on ice before use. The remaining, unused, undiluted protein should be snap frozen, for example in a dry/ice ethanol bath or liquid nitrogen. Minimize freeze/thaws if possible, but very low volume aliquots (<5 µL) or storage of diluted protein is not recommended.
<b>Storage Buffer</b>	Solution of purified recombinant protein in 50 mM Tris-HCl pH 7.5, 500 mM NaCl, 1 mM TCEP, 10% (w/v) glycerol

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## GENE INFORMATION

<b>Gene Name</b>	EHMT2 euchromatic histone lysine methyltransferase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	EHMT2
<b>Synonyms</b>	EHMT2; euchromatic histone lysine methyltransferase 2; G9A; BAT8; GAT8; NG36; KMT1C; C6orf30; histone-lysine N-methyltransferase EHMT2; G9A histone methyltransferase; H3-K9-HMTase 3; HLA-B associated transcript 8; ankyrin repeat-containing protein; euchromatic histone-lysine N-methyltransferase 2; histone H3-K9 methyltransferase 3; histone-lysine N-methyltransferase, H3 lysine-9 specific 3; lysine N-methyltransferase 1C; EC 2.1.1.43
<b>Gene ID</b>	10919
<b>mRNA Refseq</b>	NM_006709
<b>Protein Refseq</b>	NP_006700
<b>MIM</b>	604599
<b>UniProt ID</b>	Q96KQ7

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