

Recombinant Human EHMT2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant G9a Methyltransferase (aa 913-1193) protein with a N-terminal His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	913-1193
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	34.6 kDa
Storage	-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.
Storage Buffer	Solution of purified recombinant protein in 50 mM Tris-HCl pH 7.5, 500 mM NaCl, 1 mM TCEP, 10% (w/v) glycerol

 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

GENE INFORMATION

Gene Name	EHMT2 euchromatic histone lysine methyltransferase 2 [Homo sapiens (human)]
Official Symbol	EHMT2
Synonyms	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
Gene ID	10919
mRNA Refseq	NM_006709
Protein Refseq	NP_006700
MIM	604599
UniProt ID	Q96KQ7

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