Recombinant Human EHMT2 Protein, His-tagged

Cat. No. EHMT2-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EHMT2(amino acids 913 to 1210) fused with 6xHis tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	913-1210 a.a.
Form	100mM Tris pH 8.0, 10 mM glutathione and 25% glycerol.
Molecular Mass	39 kDa
Purity	>80% (SDS-PAGE)
Applications	G9a, Recombinant Human, His-tagged is useful for Histone H3 methylation experiments, enzyme kinetics and inhibitor screening. Use of 1-3 μg G9a per reaction with nucleosomes or recombinant Histone H3 as a substrate is recommended. Dilute as needed before using.
Storage	Stable for six months at -80°C from date of receipt. For best results, aliquot and avoid multiple freeze/thaws.
Concentration	1 mg/ml

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GENE INFORMATION

Gene Name	EHMT2 euchromatic histone-lysine N-methyltransferase 2 [Homo sapiens]
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
MIM	604599
UniProt ID	Q96KQ7
Chromosome Location	6p21.3
Pathway	Gene Expression, organism-specific biosystem; Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; RNA Polymerase I Promoter Clearance, organism-specific biosystem; RNA Polymerase I Transcription,

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	organism-specific biosystem; RNA Polymerase I Transcription Initiation, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem;
Function	histone methyltransferase activity (H3-K27 specific); histone methyltransferase activity (H3-K9 specific); metal ion binding; methyltransferase activity; p53 binding; protein binding; protein-lysine N-methyltransferase activity; transferase activity; zinc ion binding;

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