

Recombinant Human EHMT2, GST-tagged

Cat. No. EHMT2-427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human G9a (euchromatic histone-lysine N-methyltransferase 2) (amino-acids 785-1210), with N-terminal GST tag expressed in <i>E. Coli</i> expression system. MW = 74.6 kDa.
Species	Human
Source	E.coli
ProteinLength	785-1210 a.a.
Description	Histone-lysine N-methyltransferase, H3 lysine-9 specific 3 is an enzyme that in humans is encoded by the EHMT2 gene. A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for TNF alpha and TNF beta. This gene is found near this cluster; it was mapped near the gene for C2 within a 120-kb region that included a HSP70 gene pair.
Purity	>70%.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.
Stability	>6 months at –80°C.

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GENE INFORMATION

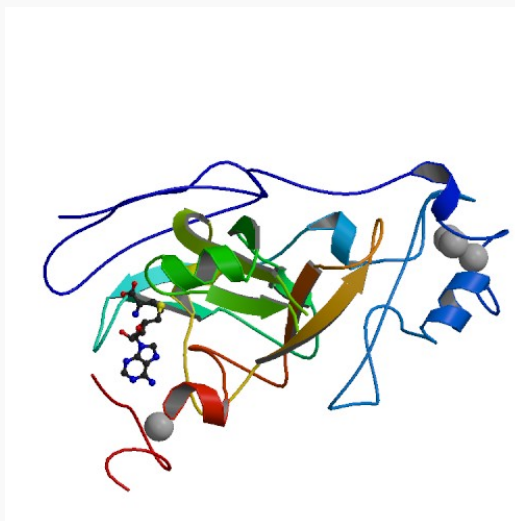
Gene Name	EHMT2 euchromatic histone-lysine N-methyltransferase 2 [Homo sapiens]
Synonyms	EHMT2; euchromatic histone-lysine N-methyltransferase 2; G9A; BAT8; NG36; KMT1C; C6orf30; FLJ35547; DKFZp686H08213; G9A histone methyltransferase; H3-K9-HMTase 3; HLA-B associated transcript 8; ankyrin repeat-containing protein; histone H3-K9 methyltransferase 3; lysine N-methyltransferase 1C; protein G9a; EC 2.1.1.43
Gene ID	10919
mRNA Refseq	NM_006709
Protein Refseq	NP_006700
MIM	604599
UniProt ID	Q96KQ7
Chromosome Location	6p21.31
Pathway	Lysine degradation
Function	histone-lysine N-methyltransferase activity; metal ion binding; methyltransferase activity; protein binding; transferase activity; zinc ion binding

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PDB rendering based
on 2o8j.



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