

EHMT1 recombinant protein

EHMT1 (KMT1D), Active

CATALOG # AAA72981	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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PRODUCT SYNONYMS

EHMT1; EHMT1 (KMT1D); Active; EHMT1 recombinant protein

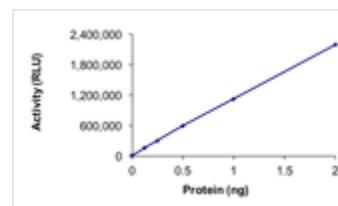
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	895-end
Sequence Length	5123
Applicable Applications for EHMT1 recombinant protein	Methyltransferase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for EHMT1 recombinant protein	Description: Recombinant human EHMT1 (895-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: Euchromatic histone-lysine N-methyltransferase 1 (EHMT1) is in charge of the mono- and demethylation of lysine-9 of histone H3. EHMT1 is found in a multimeric protein complex containing chromatin modifiers, which contributes to silencing of MYC- and E2F-responsive genes during G0 phase of cell cycle (1). EHMT1 plays a role in epithelial-to-mesenchymal transition and tumor invasion by repressing expression of tumour suppressor genes (2). Additionally, EHMT1 also methylates non-histone proteins such as lysine-373 of p53 (3).
Product Categories/Family for EHMT1 recombinant protein	Enzymes; Active Methyltransferases
References	1. Ogawa, H., et al. A complex with chromatin modifiers that occupies E2F- and Myc-responsive genes in G0 cells. Science. 296 (5570):1132-6, 2002. 2. Kokura, K., et al. Methyl-H3K9-binding protein MPP8 mediates E-cadherin gene silencing and promotes tumour cell motility and invasion. EMBO J. 29 (21):3673-87, 2010. 3. Huang, J., et al. G9a and Glp methylate lysine 373 in the tumor suppressor p53. J Biol Chem. 285 (13):9636-41, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224465232
NCBI GeneID	79813
NCBI Accession #	NM_024757.4
NCBI GenBank Nucleotide #	NM_024757
UniProt Accession #	Q9H9B1; Q86X08; Q8TCN7; Q96F53; Q96JF1; Q96KH4; B1AQ58; B1AQ59
Molecular Weight	74 kDa
NCBI Official Full Name	Homo sapiens euchromatic histone lysine methyltransferase 1 (EHMT1), transcript variant 1, mRNA
NCBI Official Synonym Full Names	euchromatic histone lysine methyltransferase 1
NCBI Official Symbol	EHMT1
NCBI Official Synonym Symbols	GLP; GLP1; KMT1D; FP13812; EUHMTASE1; Eu-HMTase1; bA188C12.1
NCBI Protein Information	histone-lysine N-methyltransferase EHMT1
UniProt Protein Name	Histone-lysine N-methyltransferase EHMT1
UniProt Gene Name	EHMT1
UniProt Synonym Gene Names	EUHMTASE1; GLP; KIAA1876; KMT1D; Eu-HMTase1; GLP; GLP1; H3-K9-HMTase 5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ehmt1-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/72981>