

EHMT2 recombinant protein

EHMT2, Active

CATALOG # AAA72982	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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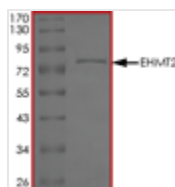
PRODUCT SYNONYMS

EHMT2; Active; EHMT2 recombinant protein

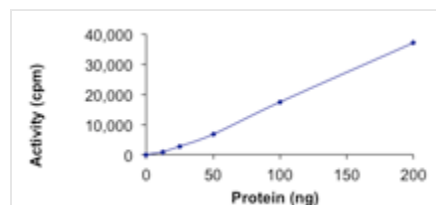
PRODUCT SPECIFICATIONS

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	807-end
Sequence Length	4002
Applicable Applications for EHMT2 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.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for EHMT2 recombinant protein	Description: Recombinant human EHMT2 (807-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: EHMT2 is a lysine-preferring histone methyltransferase. EHMT2 can methylate itself at K165 and this automethylation is necessary and sufficient to mediate in vivo interaction of EHMT2 with heterochromatin protein-1 (HP1) (1). EHMT2 is responsible for the majority of dimethylation of histone H3 at lysine 9 (H3K9me2) and is required for the efficient repression of developmentally regulated genes during embryonic stem cell differentiation (2). EHMT2 is overexpressed in various cancers and can specifically methylate p53 at Lys (373). EHMT2 polymorphisms have been associated with colorectal cancer.
Product Categories/Family for EHMT2 recombinant protein	Enzymes; Active Methyltransferases

References	1. Sampath, S C. et al: Methylation of a histone mimic within the histone methyltransferase G9a regulates protein complex assembly. Molec. Cell 27: 596-608, 2007. 2. Lehnertz B. et al: Activating and inhibitory functions for the histone lysine methyltransferase G9a in T helper cell differentiation and function. J Exp Med. 2010 May 10;207 (5):915-22.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	574957262
NCBI GeneID	10919
NCBI Accession #	NM_006709.4
NCBI GenBank Nucleotide #	NM_006709
UniProt Accession #	Q96KQ7; Q14349; Q5JP83; Q5JQ92; Q5JQA1; Q5JQG3; Q6PK06; Q96MH5; Q96QD0; Q9UQL8; Q9Y331; B0UZY2
Molecular Weight	~75 kDa
NCBI Official Full Name	Homo sapiens euchromatic histone lysine methyltransferase 2 (EHMT2), transcript variant 2, mRNA
NCBI Official Synonym Full Names	euchromatic histone lysine methyltransferase 2
NCBI Official Symbol	EHMT2
NCBI Official Synonym Symbols	G9A; BAT8; GAT8; NG36; KMT1C; C6orf30
NCBI Protein Information	histone-lysine N-methyltransferase EHMT2
UniProt Protein Name	Histone-lysine N-methyltransferase EHMT2
UniProt Gene Name	EHMT2
UniProt Synonym Gene Names	BAT8; C6orf30; G9A; KMT1C; NG36; H3-K9-HMTase 3

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://www.aaabiotech.com/ehmt2-recombinant-protein-sf9-methyltransferase-assay/72982>