

# Recombinant Full Length Human EHMT1 Protein, GST-tagged

Cat. No. EHMT1-4381HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human EHMT1 full-length ORF ( AAH47504.1, 1 a.a. - 808 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	808 amino acids
<b>Description</b>	The protein encoded by this gene is a histone methyltransferase that methylates the lysine-9 position of histone H3. This action marks the genomic region packaged with these methylated histones for transcriptional repression. This protein may be involved in the silencing of MYC- and E2F-responsive genes and therefore could play a role in the G0/G1 cell cycle transition. Defects in this gene are a cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome, also known as Kleefstra syndrome). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2017]
<b>Molecular Mass</b>	113.1 kDa
<b>AA Sequence</b>	MAAADAEAVPARGEPQQDCCVKTELLGEETPMAADEGSAEKQAGEAHMAADGET NGSCENS DASSHANAAKHTQDSARVNPQDGTNTLRIAENGVSERDSEAAKQNHV TADDFVQTSVIGSNGYILNKPALQAQPLRTTSTLASSLPGHAAKTLPGGAGKGRTPS AFPQTPAAPPATLGEGSADTEDRKLPPAGADV KVHRARKTMPKSVVGLHAASKDPR EVREARDHKPEKKEINKNISDFGRQQLLPPFP SLHQSLPQNQC YMATTKSQTACL PF

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VLAAAVSRKKKRRMGTYSLVPKKKTKVLKQRTVIEMFKSITHSTVGSKGEKDLGASS  
 LHVNGESLEMDSDDEDDSEELEEDDGHGAEQAAAFPTEDSRTSKESEMSEADRAQKM  
 DGESEEEQESVDTGEEEEGGDESDLSSSESIKKKFLKRKGGKTDSPWIKPARKRRRR  
 SRKKPSGALGSESYKSSAGSAEQTAPGDSTGYMEVSLDSLDRVKGILSSQAEGLA  
 NGPDVLETDGLQEVPCLSCRMETPKSREITTLANNQCMATESVDHELGRCTDSVVK  
 YELMRPSNKAPLLVLCEDHRGRMVKHQCCPGCGYFCTAGNFMECQPESSISHRFH  
 KDCASRVNNASYCPHCGEESKAKEVTIAKADTTSTVTPVPGQEKGSALEGRADTT  
 TGSAAGPPLSEDDKLQGAASHVPEGFDPTGPAGLGRPTPGLSQGPGKETLESALIA  
 LDSEKPKLRFHPKQLYFSARQGELQKVLLMLVDGIDPNFKMEHQNKRSPLHAAAE  
 AGHVDICHMLVQFCRLGSPRSRGCLW

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	EHMT1 euchromatic histone-lysine N-methyltransferase 1 [ Homo sapiens ]
<b>Official Symbol</b>	EHMT1
<b>Synonyms</b>	EHMT1; euchromatic histone-lysine N-methyltransferase 1; euchromatic histone methyltransferase 1; histone-lysine N-methyltransferase EHMT1; bA188C12.1; Eu HMTase1; FLJ12879; KIAA1876; KMT1D; H3-K9-HMTase 5; G9a like protein; G9a-



like protein 1; lysine N-methyltransferase 1D; histone H3-K9 methyltransferase 5; histone-lysine N-methyltransferase, H3 lysine-9 specific 5; GLP; GLP1; FP13812; EUHMTASE1; Eu-HMTase1; RP11-188C12.1; DKFZp667M072;

**Gene ID** [79813](#)

**mRNA Refseq** [NM\\_001145527](#)

**Protein Refseq** [NP\\_001138999](#)

**MIM** [607001](#)

**UniProt ID** [Q9H9B1](#)

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