

Recombinant Full Length Human EHMT1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human EHMT1 full-length ORF (AAH47504.1, 1 a.a. - 808 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	808 amino acids
Description	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]
Molecular Mass	113.1 kDa
AA Sequence	MAAADAEAVPARGEPQQDCCVKTELLGEETPMAADEGSAEKQAGEAHMAADGET NGSCENS DASSHANAAKHTQDSARVNPQDGTNTL TRIAENGVSERDSEAAKQNHV TADDFVQTSVIGSNGYILNKPALQAQPLRTTSTLASSLPGHAAKTLPGGAGKGRTPS AFPQTPAAPPATLGEGSADTEDRKLPAPGADV KVHRARKTMPKSVVGLHAASKDPR EVREARDHKPEKKEINKNISDFGRQQLLPFP SLHQSLPQNQC YMATTKSQTACLPF

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VLAAAVSRKKKRRMGTYSLVPKKKTKVLKQRTVIEMFKSITHSTVGSKGEKDLGASS
LHVNGESLEMDSDDEDDSEELEEDDGHGAEQAAAFPTEDSRTSKESMSEADRAQKM
DGESEEEQESVDTGEEEEGGDESDLSSSESIKKKFLKRKGKTDSPWIKPARKRRRR
SRKKPSGALGSESYKSSAGSAEQTAPGDSTGYMEVSLDSLRLVKILSSQAEGLA
NGPDVLETDGLQEVLPLCSCRMETPKSREITTLANNQCMATESVDHELGRCTDSVVK
YELMRPSNKAPLLVLCDHRGRMVKHQCCPGCGYFCTAGNFMECQPESSISHRFH
KDCASRVNNASYCPHCGEESSKAKEVTIAKADTTSTVTPVPGQEKGSALGRADTT
TGSAAGPPLSEDDKLQGAASHVPEGFDPGTGAPGLGRPTPGLSQGPGKETLESALIA
LDSEKPKKLRFHPKQLYFSARQGELQKVLLMLVDGIDPNFKMEHQNKRSPLHAAAE
AGHVDICHMLVQFCRLGSPRSRGCLW

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EHMT1 euchromatic histone-lysine N-methyltransferase 1 [Homo sapiens]

Official Symbol

EHMT1

Synonyms

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-

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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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