

Recombinant Human EHMT1 293 Cell Lysate

Cat. No. EHMT1-6685HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for euchromatic histone-lysine N-methyltransferase 1 (EHMT1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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-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

**Chromosome
Location**

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Pathway

Lysine degradation, organism-specific biosystem; Lysine degradation, conserved

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biosystem;

Function

histone methyltransferase activity (H3-K27 specific); histone methyltransferase activity (H3-K9 specific); histone-lysine N-methyltransferase activity; metal ion binding; methyltransferase activity; p53 binding; protein binding; protein-lysine N-methyltransferase activity; transferase activity; zinc ion binding;

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