

Recombinant Human EHMT1 293 Cell Lysate

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

SPECIFICATION

| | |
|----------------------------|---|
| 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. |
| 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 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 | 9 |
| Pathway | Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA