

# Recombinant Human EHMT2 293 Cell Lysate

**Cat. No.** EHMT2-6684HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

**Species** Human

**Source** HEK293

### Description

Antigen standard for euchromatic histone-lysine N-methyltransferase 2 (EHMT2), transcript variant NG36/G9a-SPI 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**

EHMT2 euchromatic histone-lysine N-methyltransferase 2 [ Homo sapiens ]

**Official Symbol**

EHMT2

**Synonyms**

EHMT2; euchromatic histone-lysine N-methyltransferase 2; BAT8, C6orf30, chromosome 6 open reading frame 30 , HLA B associated transcript 8; histone-lysine N-methyltransferase EHMT2; Em:AF134726.3; G9A; KMT1C; NG36/G9a; protein G9a; H3-K9-HMTase 3; G9A histone methyltransferase; HLA-B associated transcript 8; HLA-B-associated transcript 8; lysine N-methyltransferase 1C; ankyrin repeat-containing protein; histone H3-K9 methyltransferase 3; histone-lysine N-methyltransferase, H3 lysine-9 specific 3; BAT8; GAT8; NG36; C6orf30; FLJ35547; DKFZp686H08213;

**Gene ID**

10919

**mRNA Refseq**

NM\_006709

**Protein Refseq**

NP\_006700

**MIM**

604599

**UniProt ID**

Q96KQ7

**Chromosome  
Location**

6p21.3

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**Pathway**

Gene Expression, organism-specific biosystem; Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; RNA Polymerase I Promoter Clearance, organism-specific biosystem; RNA Polymerase I Transcription, organism-specific biosystem; RNA Polymerase I Transcription Initiation, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem;

**Function**

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