

Recombinant Human RNMT 293 Cell Lysate

Cat. No. RNMT-2262HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for RNA (guanine-7-) methyltransferase (RNMT) 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

RNMT RNA (guanine-7-) methyltransferase [Homo sapiens]

Official Symbol

RNMT

Synonyms

RNMT; RNA (guanine-7-) methyltransferase; mRNA cap guanine-N7 methyltransferase; RG7MT1; hMet; hCMT1; hcm1p; mRNA cap methyltransferase; mRNA (guanine-7-)methyltransferase; mRNA (guanine-N(7)-)-methyltransferase; MET; hCMT1c; KIAA0398; DKFZp686H1252;

Gene ID

8731

mRNA Refseq

NM_003799

Protein Refseq

NP_003790

MIM

603514

UniProt ID

O43148

Chromosome Location

18p11.21

Pathway

Disease, organism-specific biosystem; Gene Expression, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; Late Phase of HIV Life Cycle, organism-specific biosystem; RNA

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Pol II CTD phosphorylation and interaction with CE, organism-specific biosystem;
RNA Pol II CTD phosphorylation and interaction with CE, organism-specific
biosystem;

Function

RNA binding; mRNA (guanine-N7-)-methyltransferase activity; mRNA (guanine-N7-)-
methyltransferase activity; mRNA (guanine-N7-)-methyltransferase activity;
methyltransferase activity; protein binding; transferase activity;

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