

RNMT recombinant protein

RNMT, 1-476aa, Human, His tag, E Coli

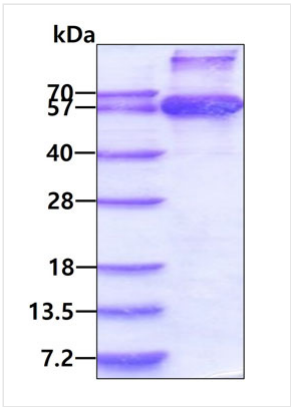
CATALOG # AAA48697	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

RNMT; 1-476aa; Human; His tag; E Coli; mRNA cap guanine-N7 methyltransferase; MET; RG7MT1; DKFZp686H1252; EC 2.1.1.56; hcm1p; hCMT1; HCMT1a; hCMT1c; hMet; hypothetical protein KIAA0396; KIAA0398; mRNA (guanine 7)methyltransferase; mRNA (guanine N (7)) methyltransferase; mRNA cap methyltransferase; OTTHuMP00000162509; RNA guanine 7 methyltransferase; RNA guanine-7-methyltransferase; RNMT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MANSKAEY EKMSLEQAKA SVNSETESSF NINENTTASG TGLSEKTSVC RQVDIARKRK EFEDDLVKES SSCGKDTPSK KRKLDPEIVP EEKDCGDAEG NSKKRKRETE DVPKDKSSTG DGTQNKRKIA LEDVPEKQKN LEEGHSSTVA AHYNELQEVG LEKRSQSRIF YLRNFNNWMK SVLIGEFLEK VRQKKKRDI VLDLGCCKGG DLLKWKKGRI NKLVDIAD VSVKQCQRY EDMKNRRDSE YIFSAEFITA DSSKELLIDK FRDPQMCFDI CSCQFVCHYS FESYEQADMM LRNACERLSP GGYFIGTTPN SFELIRLEA SETESFGNEI YTVKFQKKG YPLFGCKYDF NLEGVVDVPE FLVYFLLNE MAKKYNMMLV YKKTFLFYE EKIKNNENKM LLKRMQALEP YPANESEKLV SEKVDDYEHA AKYMKNSQVR LPLGTLSE WEATSIYLVF AFEKQQ
Sequence Length	476
Applicable Applications for RNMT recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	1-476aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for RNMT recombinant protein	RNMT (mRNA cap guanine-N7 methyltransferase), also known as MET, RG7MT1 or hCMT1c, is a widely expressed nuclear protein that belongs to the mRNA cap methyltransferase family. Cap-dependent mRNA translation requires the methylation of the mRNA guanosine cap by RNMT. RNMT catalyzes the transfer of a methyl group from AdoMet (S-adenosylmethionine) to the GpppN end of the growing mRNA at the N-7 position, thereby producing AdoHyc (S-adenosylhomocysteine) and m7GpppN terminated RNA. Recombinant human RNMT protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for RNMT recombinant protein	Transcription & Translation
References	Cowling VH, et al. (2010) Genes Cancer. 1 (6):576-579.; Cowling VH, et al. (2010) Oncogene. 29 (6):930-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506567
NCBI GeneID	8731
NCBI Accession #	NP_003790
NCBI GenBank Nucleotide #	NM_003799.2
UniProt Accession #	O43148; O94996; Q9UIJ9; B0YJ90; D3DUJ5
Molecular Weight	57.0kDa (496aa)
NCBI Official Full Name	mRNA cap guanine-N7 methyltransferase isoform 2
NCBI Official Synonym Full Names	RNA guanine-7 methyltransferase
NCBI Official Symbol	RNMT
NCBI Official Synonym Symbols	MET; Met; CMT1; cm1p; hMet; CMT1c; hCMT1; RG7MT1
NCBI Protein Information	mRNA cap guanine-N7 methyltransferase
UniProt Protein Name	mRNA cap guanine-N7 methyltransferase
UniProt Gene Name	RNMT
UniProt Synonym Gene Names	KIAA0398; hCMT1; hMet; hcm1p

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rnmt-recombinant-protein-e-coli-sds-page/48697>