

RNA (guanine-7-) Methyltransferase Human Recombinant

Item Number	rAP-1936
Synonyms	mRNA cap guanine-N7 methyltransferase, RG7MT1, mRNA (guanine-N(7)-)-methyltransferase, mRNA cap methyltransferase, hCMT1, hMet, hcm1p, RNMT, KIAA0398, MET, RG7MT1, hCMT1c, DKFZp686H1252.
Description	RNMT produced in E.Coli is a single, non-glycosylated polypeptide chain containing 496 amino acids (1-476 a.a.) and having a molecular mass of 57kDa.RNMT is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O43148
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MANSAKAEY EKMSLEQAKA SVNSETESSF NINENTTASG TGLSEKTSVC RQVDIARKRK EFEDDLVKES SSCGKDTPSK KRKLDPEIVP EEKDCGDAEG NSKKRKRETE DVPKDKSSTG DGTQNKRKIA LEDVPEKQKN LEEGHSSTVA AHYNELQEVG LEKRSQSRIF YLRNFNNWMK SVLIGEFLEK VRQKKRDIT VLDLGCGKGG DLLKWKKGRI NKLVCTDI- AD VSVKQCQQR Y EDMKNRRDSE YIFSAEFITA DSSKELLIDK FRDPQMCFDI CSCQFVCHYS FESYE- QADMM LRNACERLSP GGYFIGTTPN SFELIRRLEA SETESFGNEI YTVKFQKKGD YPLFGCKYDF NLEGVVDVPE FLVYFPLLNE MAKKYNMMLV YKKTFLFYE EKIKNNENKM LLKRMQALEP YPANESSKLV SEKVDDYEHA AKYMKNSQVR LPLGTLKSE WEATSIYLVF AFEKQQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. RNMT Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Formulation and Purity	RNMT solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) 2mM DTT, 20% glycerol and 100mM NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**