

Product datasheet for TP307787

HCM (RNMT) (NM_003799) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RNA (guanine-7-) methyltransferase (RNMT), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207787 protein sequence Red=Cloning site Green=Tags(s)

MANSAKAEYEKMSLEQAKASVNSETESSFNINENTTASGTGLSEKTSVCRQVDIARKRKEFEDDLVKES
SSCGKDTPSKKRKLDP EIVPEEKDCGDAEGNSKKRKRKRETEDVPKDKSSTGDGTQNKRIKIALEDVPEKQKN
LEEGHSSTVAAHYNELQEVGLEKRSQSRIFYLRFNFWMKSVLIGEFLEKVRQKKRDRITVLDLGCCKGG
DLLKWKGRINKLVCTDIADVSVKQCQQRVEDMKNRRDSEYIFSAEFITADSSKELLIDKFRDPQMCFDI
CSCQFVCHYSFESYEQADMMLRNACERLSPGGYFIGTTPNSFELIRRLEASETESFGNEIYTVKFQKKGD
YPLFGCKYDFNLEGVVDVPEFLVYFLLNEMAKKYNMMLVYKKTFLFYEKIKNNENKMLLKRMQALEP
YPANESSKLVSEKVVDDYEHAAYMKNSQVRLPLGLTSLKSEWEATSIIYLVFAFEKQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

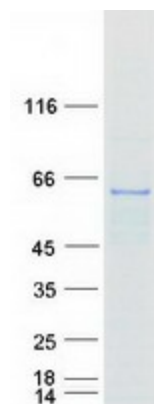
Tag:	C-Myc/DDK
Predicted MW:	54.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003790



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Locus ID:	8731
UniProt ID:	O43148
RefSeq Size:	6203
Cytogenetics:	18p11.21
RefSeq ORF:	1428
Synonyms:	cm1p; CMT1; CMT1c; hCMT1; hMet; MET; Met; RG7MT1
Summary:	Catalytic subunit of the mRNA-capping methyltransferase RNMT:RAMAC complex that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs (PubMed:9790902, PubMed:9705270, PubMed:10347220, PubMed:11114884, PubMed:22099306, PubMed:27422871). Binds RNA containing 5'-terminal GpppC (PubMed:11114884).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RNMT protein (Cat# TP307787). The protein was produced from HEK293T cells transfected with RNMT cDNA clone (Cat# [RC207787]) using MegaTran 2.0 (Cat# [TT210002]).