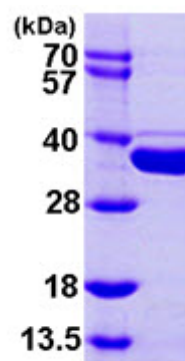


AR09809PU-N

Human METTL1 (1-276, His-tag) - Purified

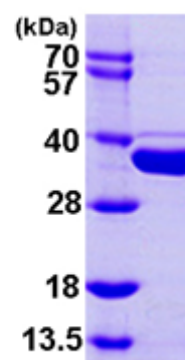
Alternate names:	C12orf1, Methyltransferase-like protein 1, tRNA (guanine-N(7)-)-methyltransferase, tRNA(m7G46)-methyltransferase
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	METTL1 is known as tRNA (guanine-N(7)-)-methyltransferase which belongs to the methyltransferase superfamily. METTL1 shows high sequence similarity to yeast ORF YDL201w and has been shown to be inactivated by phosphorylation. This protein contains a conserved S-adenosylmethionine-binding motif and is inactivated by phosphorylation. It catalyzes the formation of N(7)-methylguanine at position 46 (m7G46) in tRNA.
Uniprot ID:	Q9UBP6
NCBI:	NP_005362
GeneID:	4234
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl
Description:	Recombinant human METTL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MAAETRNAG AEAPPQKRY YRQRAHSNPM ADHTLRYPVK PEEMDWSELY PEFFAPLTQN QSHDDPKDKK EKRAQAQVEF ADIGCGYGGL LVELSPLFPD TLILGLEIRV KVSDYVQDRI RALRAAPAGG FQNIACLRN AMKHLNFFY KGQLTKMFFL FPDPHFKRTK HKWRIISPTL LAEYAYVLRV GGLVYTITDV LELHDMCTH FEEHPLFERV PLEDLSEDPV VGHLGTSTEE GKKVLRNGGK NFPAIFRRIQ DPVLQAVTSQ TSLPGH Molecular weight: 33.6 kDa (296aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Matsumoto K., et al. (2008) J. Biotechnol. 133: 453-460. Alexandrov A., et al. (2002) RNA 8:1253-1266.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human METTL1, 1-276aa,
His-tagged



15% SDS-PAGE (3ug)