

Recombinant Human METTL1, His-tagged, 33.6kDa (296aa)

Cat. No. METTL1-953H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human METTL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In Phosphate Buffered Saline pH7.4 containing 10% glycerol.
Molecular Weight	33.6kDa (296aa) confirmed by MALDI-TOF.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAAETRNVAG AEAPPPQKRY YRQRAHSNPM ADHTLRYPVK PEEMDWISELY PEFFAPLTQN QSHDDPKDKK EKRAQAQVEF ADIGCGYGGL LVELSPLFPD TLILGLEIRV KVSDYVQDRI RALRAAPAGG

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FQNIACLRSN AMKHLPNFFY KGQLTKMFFL FPDPHFKRTK HKWRIISPTL
LAEYAYVLRV GGLVYTITDV LELHDWMCTH FEEHPLFERV PLEDLSEDPV
VGHLGTSTEE GKKVLRNGGK NFPAIFRRIQ DPVLQAVTSQ TSLPGH.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[METTL1 methyltransferase like 1 \[Homo sapiens \]](#)

Synonyms

methyltransferase like 1; TRM8; C12orf1; YDL201w; FLJ95748; METT- L1;tRNA (guanine-N(7)-)-methyltransfe rase; D1075-like gene product; methy- ltransferase-like 1; tRNA(m7G4- 6)-met hyltransferase; methyltransfera- se-like protein 1; Methyltransferase-like protein 1

Gene ID

[4234](#)

mRNA Refseq

[NM_005371](#)

Protein Refseq

[NP_005362](#)

MIM

[604466](#)

UniProt ID

[Q9UBP6](#)

**Chromosome
Location**

12p13

Function

methyltransferase activity; protein binding; tRNA (guanine-N7-)-methyltransferase activity; contributes_to tRNA (guanine-N7-)-methyltransferase activity; tRNA binding;

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transferase activity

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