

## 32-2535: METTL1 Recombinant Protein

**Alternative Name** Methyltransferase-Like 1,TRM8,tRNA(m7G46)-methyltransferase,tRNA (guanine-N(7))-methyltransferase ,C12orf1,YDL201w,D1075-like gene product,FLJ95748,EC 2.1.1.33.

### Description

Source : Escherichia Coli. Recombinant Human METTL1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 296 amino acids (1-276a.a.) and having a molecular mass of 33.6kDa.METTL1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. METTL1 is recognized as tRNA (guanine-N(7))-methyltransferase that is a part of the methyltransferase superfamily. METTL1 displays high sequence similarity to yeast ORF YDL201w and can be inactivated by phosphorylation. METTL1 protein has a conserved S-adenosylmethionine-binding motif and catalyzes the formation of N(7)-methylguanine at position 46 (m7G46) in tRNA.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The METTL1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0)1mM DTT, 50mM NaCl and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MAAETRVAG AEAPPPQKRY YRQRAHSNPM ADHTLRYPVK PEEMDWSLEY PEFFAPLTQN QSHDDPKDKK EKRAQAQVEF ADIGCGYGGL LEVELSPLFPD TLILGLEIRV KVS DYVQDRI RALRAAPAGG FQNIACLRSN AMKHLPNFFY KGQLTKMFFL FPDPHFKRTK HKWRIISPTL LAEYAYVLRV GGLVYTITDV LELHDWMCTH FEEHPLFERV PLEDLSEDPV VGHLGTSTEE GKKVLRNGGK NFPAIFRRIQ DPVLQAVTSQ TSLPGH

