

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

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The METTL1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0)1mM DTT, 50mM NaCl and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAAETRVNAG AEAPPPQKRY YRQRAHSNPM ADHTLRYPVK PEEMDWSELY PEFFAPLTQN QSHDDPKDKK EKRAQAQVEF ADIGCGYGGL LVELSPLFPD TLILGLEIRV KVSDYVQDRI RALRAAPAGG FQNIACLRSN AMKHLNPFY KGQLTKMFFL FPDPHFKRTK HKWRIISPTL LAEYAYVLRV GGLVYTITDV LELHDWMCTH FEEHPLFERV PLEDLSEDPV VGHLGTSTEE GKKVLRNGGK NFPAIFRRIQ DPVLQAVTSQ TSLPGH

