

## METTL1 Human

**Description:** 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.

Catalog #: ENPS-061

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAAETRN VAG AEAPPPQKRY  
YRQRAHSNPM ADHTLRYPVK PEEMDWSELY PEFAPLTQN QSHDDPKDKK EKRAQAQVEF  
ADIGCGYGGL LVELSPLFPD TLILGLEIRV KVS DYVDRI RALRAAPAGG FQNIACLR SN  
AMKHLPNFFY KGQLTKMFFL FPDPHFKRTK HKWRIISPTL LAEYAYVLRV GGLVYTITDV  
LELHDMCTH FE

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The METTL1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 50mM NaCl and 10% glycerol.

### Stability:

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.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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.

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