Datasheet for ABIN7317547

METTL1 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	METTL1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This METTL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human METTL1 Protein (His Tag)
Sequence:	Asp 32-Gln 265
Characteristics:	A DNA sequence encoding the human METTL1 (NP_005362.3) (Asp 32-Gln 265) was expressed, with a polyhistide tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	METTL1
Alternative Name:	METTL1 (METTL1 Products)
Background:	Background: tRNA (guanine-N(7)-)-methyltransferase, also known as Methyltransferase-like protein 1, tRNA (m7G46)-methyltransferase and METTL1, is a nucleus protein which belongs to the methyltransferase superfamily and TrmB family. METTL1 gene, has been identified by its sequence similarity to the yeast ORF YDL201w. The human cDNA and the genomic structure of

Target Details

	METTL1 have been analyzed. The transcript contains 1292 nucleotides and codes for a protein of 276 amino acids. The METTL1 gene product shows high sequence similarities to putative proteins from mouse, Drosophila melanogaster, Arabidopsis thaliana, Caenorhabditis elegans, and yeast (39.8% identity between all six species). Computer analyses of the deduced protein sequence reveal two highly conserved amino acid motifs, one of which is typical for methyltransferases. Both motifs are also present in hypothetical proteins from eubacteria. Disruption of the homologous yeast ORF YDL201w shows that the gene is at least not essential for vegetative growth in Saccharomyces cerevisiae. Synonym: C12orf1;TRM8;TRMT8;YDL201w
Molecular Weight:	28 kDa
NCBI Accession:	NP_005362

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 0.5M NaCl, 20 % glycerol, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.