

Recombinant Human METTL14 protein (Full Length), N-FLAG-tagged

Cat. No. METTL14-33H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant METTL14 protein was expressed in a Baculovirus expression system as the full length protein (accession number NP_066012.1) with an N-terminal FLAG-Tag.
Species	Human
Source	Insect Cells
ProteinLength	Full Length
Description	N6-methylated adenine (m6A) is prevalently present in nearly all RNA types and can be found in all organisms from bacteria to humans. It preferentially appears around stop codons and within long internal exons in mammalian messenger RNAs. m6A plays an important role in the efficiency of mRNA splicing, processing, translation efficiency, editing and mRNA stability. m6A also takes place in other RNA molecules, such as primary miRNA (pri-miRNAs). METTL14 (methyltransferase-like 14) forms a stable N6-methyltransferase heterodimer complex with METTL3, which catalyzes the generation of m6A modification on mammalian nuclear RNAs. METTL3 is the catalytically active subunit, while METTL14 plays a structural role critical for substrate recognition.
Molecular Mass	53.3 kDa
Purity	>75%

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Storage

Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

GENE INFORMATION**Gene Name**

METTL14 methyltransferase 14, N6-adenosine-methyltransferase subunit [Homo sapiens (human)]

Official Symbol

METTL14

Synonyms

METTL14; methyltransferase 14, N6-adenosine-methyltransferase subunit; hMETTL14

Gene ID

57721

mRNA Refseq

NM_020961

Protein Refseq

NP_066012

MIM

616504

UniProt ID

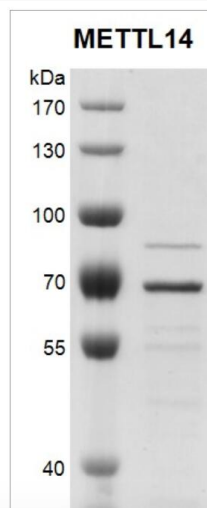
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