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 messager 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	Q9HCE5

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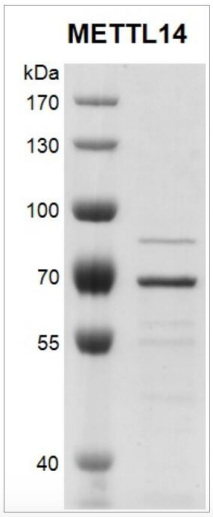
SDS-PAGE	

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