

Recombinant Human METTL3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. METTL3-1630H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	METTL3 MS Standard C13 and N15-labeled recombinant protein (NP_062826) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes the 70 kDa subunit of MT-A which is part of N6-adenosine-methyl transferase. This enzyme is involved in the posttranscriptional methylation of internal adenosine residues in eukaryotic mRNAs, forming N6-methyladenosine.
Molecular Mass	64.3 kDa
AA Sequence	MSDTWSSIQAHHKQLDSLRLRERLQRRRKQDSGHLDLRNPEAALSPTFRSDSPVPTAP TSGGPKPSTASAVPELATDPELEKLLHHLSDLALTLPTDAVSICLAISTPDAPATQD GVESLLQKFAAQELIEVKRGLLQDDAHTLVITYADHSKLSAMMGAVAEEKKGPGEVA GTVTGQKRRAEQDSTTVAAFASSLVSGLNSSASEPAKEPAKKSRKHAASDVDLEIES LLNQSTKEQQSKKVSQEILELLNTTTAKEQSIVEKFRSRGRAQVQEFCDYGTKEEC MKASDADRPCRKLHFRIINKHTDESLGDCSFLNTCFHMDTCKYVHYEIDACMDSEA PGSKDHTPSQELALTQSVGGDSSADRLFPQWICCDIRYLDVSILGKFAVVMADPP WDIHMELPYGTLTDDEMRRNLNIPVLQDDGFLFLWVTGRAMELGRECLNLWGYERV DEIIVVKTNLQRIIRTGRTHWLNHGKEHCLVGVKGNPQGFNQGLDCDVIVAEVR STSHKPDEIYGMIERLSPGTRKIELFGRPHNVQPNWITLGNQLDGIHLLDPDVVARFK

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QRYPDGIIISKPKNLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	METTL3 methyltransferase like 3 [Homo sapiens (human)]
Official Symbol	METTL3
Synonyms	METTL3; methyltransferase like 3; M6A; IME4; Spo8; MT-A70; hMETTL3; N6-adenosine-methyltransferase catalytic subunit; N6-adenosine-methyltransferase 70 kDa subunit; adoMet-binding subunit of the human mRNA (N6-adenosine)-methyltransferase; mRNA (2'-O-methyladenosine-N(6)-)-methyltransferase; mRNA m(6)A methyltransferase; methyltransferase-like protein 3; EC 2.1.1.348
Gene ID	56339
mRNA Refseq	NM_019852
Protein Refseq	NP_062826

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MIM	612472
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UniProt ID	Q86U44
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