

# Recombinant Full Length Human METTL3 Protein, C-Flag-tagged

**Cat. No.** METTL3-836HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human METTL3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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.                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 64.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MSDTWSSIQAHHKQLDSLRLRERLQRRRKQDSGHLDLRNPEAALSPTFRSDSPVPTAPTSGGPKPSTASAVP ELATDPELEKKLLHHLSDLALTLPTDAVSICLAISTPDAPATQDGVESLLQKFAAQELIEVKRGLLQDDA HPTLVTYADHSLKSAMMGAVAEKKGPGEVAGTVTGQKRRAEQDSTTVAAFASSLVSGLNSSASEPAKEPA KKSARKHAASDVDLEIESLLNQSTKEQQSKKVSQEILELLNTTTAKEQSIVEKFRSRGRAQVQEFCDYGT KE ECMKASDADRPCRKLHFRRRIINKHTDESLGDCSFLNTCFHMDTCKYVHYEIDACMDSEAPGSKDHTPS QELALTQSVGGDSSADRLFPQWICCDIRYLDVSILGKFAVVMADPPWDIHMELPYGTLTDDDEMRRNLNIP VLQDDGFLFLWVTGRAMELGRECLNLWGYERVDEIIVWKTNQLQRIIRTGRTGHWLNHGKEHCLVGKGN PQGFNQGLDCDVIVA |

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EVIRSTSHKPDEIYGMIERLSPGTRKIELFGRPHNVQPNWITLGNQLDGIHLLDPD  
VVARFKQRYPDGIIISKPKNLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | METTL3 methyltransferase 3, N6-adenosine-methyltransferase complex catalytic subunit [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | METTL3                                                                                                        |
| <b>Synonyms</b>        | M6A; IME4; Spo8; MT-A70; hMETTL3                                                                              |
| <b>Gene ID</b>         | 56339                                                                                                         |
| <b>mRNA Refseq</b>     | NM_019852.5                                                                                                   |
| <b>Protein Refseq</b>  | NP_062826.2                                                                                                   |

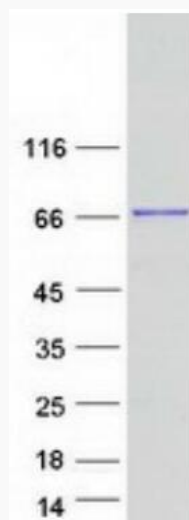
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**MIM** 612472

**UniProt ID** Q86U44



Coomassie blue staining of purified METTL3 protein.

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