

Product datasheet for **SC111357**

METTL3 (NM_019852) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL3 (NM_019852) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL3
Synonyms:	hMETTL3; IME4; M6A; MT-A70; Spo8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_019852, the custom clone sequence may differ by one or more nucleotides

```

ATGTCGGACACGTGGAGCTCTATCCAGGCCACAAGAAGCAGCTGGACTCTCTCGGGGAGAGGCTGCAGC
GGAGGCGGAAGCAGGACTCGGGCACTTGGATCTACGGAATCCAGAGGCAGCATTGTCTCCAACCTTCCG
TAGTGACAGCCCAGTGCCTACTGCACCCACCTCTGGTGGCCCTAAGCCCAGCACAGCTTCAGCAGTTCCT
GAATTAGCTACAGATCCTGAGTTAGAGAAGAAGTTGCTACACCACCTCTCTGATCTGGCCTTAACATTGC
CCTACTGATGCTGTGCCATCTGTCTTGCCATCTCCACGCCAGATGCTCCTGCCACTCAAGATGGGGTAGA
AAGCCTCTGCAGAAGTTTGAGCTCAGGAGTTGATTGAGGTAAGCGAGGTCTCTACAAGATGATGCA
CATCTACTCTTGAACCTATGCTGACCATTCCAAGCTCTCTGCCATGATGGGTGCTGTGCAGAAAAGA
AGGGCCCTGGGGAGGTAGCAGGGACTGTCACAGGGCAGAAGCGGCGTGCAGAACAGGACTCGACTACAGT
AGCTGCCCTTGCCAGTTCGTTAGTCTCTGGTCTGAACTCTCAGCATCGGAACCAGCAAAGGAGCCAGCC
AAGAAATCAAGGAAACATGCTGCCTCAGATGTTGATCTGGAGATAGAGAGCCTTCTGAACCAACAGTCCA
CTAAGGAACAACAGAGCAAGAAGGTGAGTCAAGGATCCTAGAGCTATTAATACTACAACGCCAAGGA
ACAATCCATTGTTGAAAAATTTTCGCTCTCGAGGTGCGGCCCAAGTCAAGAAATTTGTGACTATGGAACC
AAGGAGGAGTGCATGAAAGCCAGTGATGCTGATCGACCCTGTGCGAAGCTGCACTTCAGACGAATTATCA
ATAAACACACTGATGAGTCTTTAGGTGACTGCTTTTCCTTAATACATGTTTCCACATGGATACCTGCAA
GTATGTTCACTATGAAATTGATGCTTGCATGGATTCTGAGGCCCTGGCAGCAAAGACCACGCCAAGC
CAGGAGCTTGCTTTACACAGAGTGTGCGAGGTGATTCCAGTGCAGACCGACTCTTCCACCTCAGTGGA
TCTGTTGTGATATCCGCTACCTGGACGTCAGTATCTTGGCAAGTTTGCAGTTGTGATGGCTGACCCACC
CTGGGATATTCACATGGAAGTCCCTATGGGACCCTGACAGATGATGAGATGCGCAGGCTCAACATACCC
GTACTACAGGATGATGGCTTTCTCTTCTCTGGGTCACAGGCAGGGCCATGGAGTTGGGGAGAGAATGTC
TAAATCTCTGGGGTATGAACGGGTAGATGAAATTTATTTGGGTGAAGACAATCAACTGCAACGCATCAT
TCGGACAGGCCGTACAGGTCACTGGTTGAACCATGGGAAGGAACACTGCTTGGTTGGTGTCAAAGGAAAT
CCCCAAGGCTTCAACCAGGGTCTGGATTGTGATGTGATCGTAGCTGAGGTTGTTCCACCAGTCATAAAC
CAGATGAAATCTATGGCATGATTGAAAGACTATCTCTGGCACTCGCAAGATTGAGTTATTTGGACGACC
ACACAATGTGCAACCCAACTGGATCACCCCTTGGAAACCAACTGGATGGGATCCACCTACTAGACCCAGAT
GTGTTGCACGGTTCAAGCAAAGGTACCCAGATGGTATCATCTCTAAACCTAAGAATTTATAG
    
```

Chromatograms: https://cdn.origene.com/chromatograms/ja2164_c03.zip

Restriction Sites: NotI-NotI

ACCN: NM_019852

Insert Size: 2460 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_019852.2</u> , <u>NP_062826.2</u>
RefSeq Size:	1975 bp
RefSeq ORF:	1743 bp
Locus ID:	56339
UniProt ID:	<u>Q86U44</u>
Cytogenetics:	14q11.2
Domains:	MT-A70
Gene Summary:	This gene encodes the 70 kDa subunit of MT-A which is part of N6-adenosine-methyltransferase. This enzyme is involved in the posttranscriptional methylation of internal adenosine residues in eukaryotic mRNAs, forming N6-methyladenosine. [provided by RefSeq, Jul 2008]