

Product datasheet for **MC213115**

Mettl11b (NM_001143956) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mettl11b (NM_001143956) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mettl11b
Synonyms: Gm207; NTM1B
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC213115 representing NM_001143956
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCACTGGGAGCCCATTTGCGCTTTAGATCCCCTTGGCAGAAGACCGACGACGAACCTGTGCGTC
ATAGCATGTCCTTTATCCTTCACAAAGCCATTCGCAATGACTTCTTTAGAGCTACCTCTACCTGCTGGA
AAAAATCCCCTGGTAAAATTGTATGCTTAAACAAGCCAAGTCATTGATGGTGAGATGCAGTTCTATGCC
AGAGCCAAACTTTTCTACCAAGAAGTACCAGCCACAGAAGAAGGCATGATGGGAAATTTTATTGAATTAT
CCAACCCAGATATCCAAGCCTCTCGTGAATTTCTTAGGAAATTTGTTGGGGGCCAGGGAGAGCGGGAAC
TGGCTGCGCCTTGGACTGCGGTTCTGGAATAGGAAGGGTCAGCAAGCACGTCTTGTTCCTGTTTCAGC
AGTGTGAATTGGTGGACATGATGGAATCCTTCCTCCTTGAAGCCAGAGCTACTTGCAGGTTAACGAGG
ACAAAGTTGAAAGTTACCACTGCTACAGCCTGCAGGAGTTCACGCCCCACTTAGGGAGATATGATGTCAT
CTGGATTAGTGGGTCTCAGGGTACCTGACTGATAAGGACCTTCTGCATTTCTTCCCGGTGTCGAGAT
GGCCTGAAAGAAAATGGTGTATCATACTGAAGGACAATGTGGCACGGGAGGGCTGTATCTTCGACCTGT
CTGACAGCAGTGTGACTCGGGACATGGACATCCTTCGAAGCCTTATTAGGAAGAGTGGACTGGTGGTCT
GGGCCAGGAGAAACAAGAGGGTTTCCAGAGCAGTGTGTTCCGGTGTGGATGTTGCACTGCACAGTGAC
AGGCACTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001143956
Insert Size: 852 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001143956.1</u> , <u>NP_001137428.1</u>
RefSeq Size:	1053 bp
RefSeq ORF:	852 bp
Locus ID:	240879
UniProt ID:	<u>B2RXM4</u>
Cytogenetics:	1 H2.1
Gene Summary:	Alpha-N-methyltransferase that methylates the N-terminus of target proteins containing the N-terminal motif [Ala/Pro/Ser]-Pro-Lys when the initiator Met is cleaved. Specifically catalyzes monomethylation of exposed alpha-amino group of Ala or Ser residue in the [Ala/Ser]-Pro-Lys motif and Pro in the Pro-Pro-Lys motif. May activate NTMT1 by priming its substrates for trimethylation (By similarity).[UniProtKB/Swiss-Prot Function]