

Product datasheet for **MR220104**

Mettl7b (NM_027853) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mettl7b (NM_027853) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mettl7b
Synonyms: 0610006F02Rik; AI266817
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220104 representing NM_027853
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGCCCTGGTTCTATTTCTGCAGCTGCTGGTGCTGCTCCTGACTCTACCTTACACCTACTGGCTC
 TGCTGGGCTGCTGGCAGCCTATATGCAAACCTACTTCCCTTACTTCATGGCCATGCTAACAGCCAGGTC
 CTACAAAAGATGGAAAGCAAGAAACGGGAACATTTAGCCAGATAAAAGATCTCAAGGGGACTCCGGC
 AACGTGGCCTGCTGGAGCTGGGCTGCGGCACCGGTGCCAACTCCAGTTCTACCCACAGGGCTGCAAGG
 TCACCTGTGTGGACCCAAACCCCAACTCGAGAAGTTCCTGACAAAGAGCATGGCTGAGAACAGGCACCT
 CCAATATGAGCGCTTCATTGTGGCTTACGGAGAGAACATGAAACAACCTGGCTGACAGCTCCATGGATGTG
 GTGGTCTGTACCCTGGTCTATGTTCTGTGCAGAGCCCCAGAAAGTCCCTGCAGGAAGTCCAGAGAGTCC
 TGAGGCCGGGAGGCTACTGTTCTTCTGGGAGCACGTGGCTGAGCCTCAGGGAAGCCGGGCTTCTCTGTG
 GCAGCGAGTTTTAGAGCCTACCTGGAAACATCGGAGATGGTTGCCACCTCACCAGAGAGACCTGGAAA
 GACATTGAGAGGGCACAGTTCTCCGAAGTCCAGCTGGAATGGCAGCCCCCTCCCTTCAGTGGTTACCTG
 TTGGGCCCCACATCATGGGAAAAGCTGTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR220104 representing NM_027853
 Red=Cloning site Green=Tags(s)

MDALVFLQLLVLLTLPLHLLALLGCWQPICKTYFPYFAMLTARSYKMKESKKRELFSSQIKDLKGTSG
 NVALLELGGTGANFQFYPOGCKVTCVDPNPNFEKFLTKSMAENRHLQYERFIVAYGENMKQLADSSMDV
 VVCTLVLCVSPRKVLQEVQRVLRPGLLFFWEHVAEPQGSRAFLWQRVLEPTWKHIGDGCHLTRETWK
 DIERAQFSEVQLEWQPPFRWLPVGPHINGKAVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9029_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027853

ORF Size: 732 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_027853.2](#), [NP_082129.2](#)

RefSeq Size: 1227 bp

RefSeq ORF: 735 bp

Locus ID: 71664

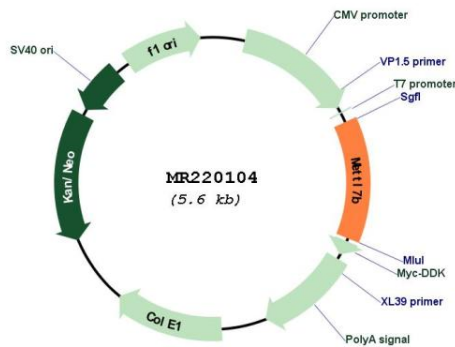
UniProt ID: [Q9DD20](#)

Cytogenetics: 10 D3

MW: 28.5 kDa

Gene Summary: Probable methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220104