

## Product datasheet for **MR204961**

### Mat2b (NM\_134017) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mat2b (NM\_134017) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mat2b  
**Synonyms:** 1110064C04Rik; 2410018D16Rik; A1182287; AU022853; MAT-II; MATIIbeta; TGR  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR204961 representing NM\_134017  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGCGGGGAGAAGGAGCTCTCCATCCACTTCGTCGCCGCTGCTGCCAGCTGGTGGAGGAGGAAG  
TGAACATCCCTAGCCGGCGGTTCTCATTACTGGTGCCACTGGGTTCTTGGCAGAGCAGTTTACAAAGA  
GTTTCAGCAGAGCAACTGGCACACCGTTGGCTGTGGCTTTCGAAGAGCAAGACCAAATTCGAACAAGT  
AACCTGTTGGATTCTGAAGCTGTTTCATCACCTCATTGATTTCCAGCCTCATGTCATAGTGCATTGTG  
CTGCAGAGAGAAGACCTGATGTTGTTGAGAGTCAGCCAGATGCTGCTTCCAGCTGAATGTGGGTGCCTC  
TGGGAACCTGGCAAAGGAGGCAGCTGCGATTGGAGCATTTCTCATCTACATTAGCTCAGATTATGTGTT  
GATGGCACAAATCCCCCTTACACAGAAGAAGATATACCAAGTCCCCTGAATCTATATGGAAAAACAAAT  
TAGATGGAGAAAAAGCAGTCTGGAGAATAATTTAGGGGCTGCTGTGTTGAGAATTCCTGTTCTGTATGG  
GGAAGTTGAAAAGCTTGAAGAAAGTGCTGTGACTGTTATGTTTCGACAAGGTGCAGTTCAGCAACAAGTCA  
GCAAACATGGACCATTGGCAGCAGAGGTTCCCCACACATGTGAAAGACGTAGCCAGTGTGTGCCGCGAGC  
TGGCAGAGAAGAGGATGCTGGATCCATCCATTAAGGGAACCTTCACTGGTCTGGCAATGAGCAGATGAC  
CAAGTATGAAATGGCGTGTGCAATTGCAGATGCCTTCAACCTCCCAGCAGCCACTTAAGACCTATTACT  
GACAGTCTGTATAGGAGCACAGCGCCCAAAAATGCTCAGCTCGATTGCTCCAATTTGGAGACGTTGG  
GCATTGGCCAGAGGACACCATTTTCGAACCTGGAATCAAAGAATCTCTCTGGCCTTCTCATCGACAAGAG  
ATGGAGACAGACTGTCTTTCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA





**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\\_134017.2](#), [NP\\_598778.1](#)

**RefSeq Size:** 1870 bp

**RefSeq ORF:** 1005 bp

**Locus ID:** 108645

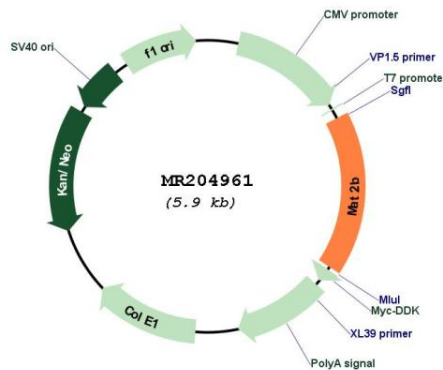
**UniProt ID:** [Q99LB6](#)

**Cytogenetics:** 11 A5

**MW:** 37.4 kDa

**Gene Summary:** Regulatory subunit of S-adenosylmethionine synthetase 2, an enzyme that catalyzes the formation of S-adenosylmethionine from methionine and ATP. Regulates MAT2A catalytic activity by changing its kinetic properties, increasing its affinity for L-methionine. Can bind NADP (in vitro).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204961