

## Product datasheet for **MG203043**

### Mettl7a1 (NM\_027334) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl7a1 (NM_027334) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mettl7a1
Synonyms:	2210414H16Rik; 3300001H21Rik; Aam-B; Mettl7a; UbiE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203043 representing NM_027334 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGCTTGCCGCTCCTGGCCCTGCGGCTGGTGGTCTGTACCCTGGCGCTTCCCATGTTTCTGCTGAACC  
TTCTAGGCTTGTGGAGCTGGGTATGCAAAAAGTGCTTTCCTACTTCTGAAGCGATTCTCCGTGATGTA  
CAATGAGCAGATGGCGAGCCAAAAGCGGGAGCTTTCAGCAATCTGCAGGAGTTCGCCGGCCCTCGGG  
AAGCTGACTCTGCTGGAGGTGGGCTGCGGCACCGAGCCAACCTCAAGTTCTATCCCCCGGTGCAGGG  
TCACTTGTATCGACCCCAACCCAACTTCGAGAAGTTCTTGTTCAGAGCGTCGCAGAGAACCGGCAGCT  
GCAGTTCGAGCGCTTCGTGGTGGCAGCCGGGAGGACATGCACCAGGTGACCGATGGCTCTGTGGACGTG  
GTGGTCTGCACCCCTGGTCTGTGCTCGGTGAAGAACCAGGAGAAGATTCTGCGTGAGGTGTGCCAGTGC  
TGAAGCCGGGAGGGGCTTTTACTTTCATGGAACACGTGGCAGATGAACGGTCTACCTGGAATTACTTCTG  
GCAGCAGGTCCTGGATCCTGTCTGGTTCCTTTTTTTGATGGATGCAATCTGACGAGAGAGAGCTGGAAG  
ACCATAGAGCAGGCCAGCTTCTCGAAGCTAAAGCTACAGCACATCCAGGCCCCCTCTCTGGACATTGG  
TGCGGCCCCACATCTATGGCTATGCTGTGAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203043 representing NM\_027334  
 Red=Cloning site Green=Tags(s)

MTLAVLALRLVVCTLALPMFLLNLLGLWSWVCKKCFYPYFLKRFVSMYNEQMASQKRELFNSLQEFAGPSG  
 KLTLLLEVCGGTGANFKFYPPGCRVTCIDPNPNFEKFLFKSVAENRQLQFERFVVAAGEDMHQVTDGSDVDV  
 VVCTLVLCVKNQEKILREVCRLVKPGGAFYFMEHVADERSTWNYFWQQVLDPVWFLFFDGCNLTRESWK  
 TIEQASFSLKLQHIQAPLSWTLVRPHIYGAVK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_027334

**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\\_027334.3](#), [NP\\_081610.2](#)

**RefSeq Size:** 1883 bp

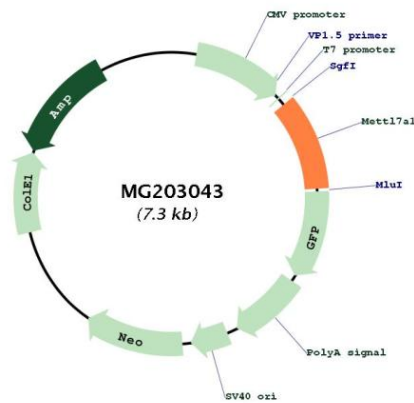
**RefSeq ORF:** 735 bp

**Locus ID:** 70152

**Cytogenetics:** 15 F1

**MW:** 28.1 kDa

**Product images:**



Circular map for MG203043