

## Product datasheet for **MG203828**

### Mettl6 (NM\_025907) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl6 (NM_025907) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mettl6
Synonyms:	1600013P15Rik; AI467521; AU020711
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203828 representing NM_025907 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCTTCTTTCCAAAGGAAAGGACTGCAAGCAAGGATTCTTAGCACTGAAGAAGAGGAGAACTGAAAA  
GAGACCAAGCTTTGGTGTCTGCTTTTAAACAGCAAAAACGGAAAAAGAGGCTCAGAAGAAGCTGGGACCT  
TTTTTATAAAGAACAGTACCAATTTTTCAAGGACAGACACTGGACCACCAGAGATTTGAGGAGTTG  
AGATCATGTAGGGAGTATGAAGGTCAAAAATTGACTTTGTTGGAGGCTGGCTGTGGGTTGGAACTGTT  
TATTCCCACTTTTAGAAGAAGACTTGAATCTCTTGCCTATGCCGTGATTTTTCTCCAAGGCAGTTGA  
CTACGTGAAGCAACATCCTTTGTACAATGCAGAGAGATGCAAAGTGTCCAGTGTGACCTACTAGAGAC  
GACCTGCTTGACCACGTCCCACCAGAGTCTGTGGATGCCGTTACATTGATCTTTGTGCTCTCAGCTGTGC  
ACCCTGAGAAGATGCGCCTTGTCTTACTAAACGTGTACAAGGTATTAACCAGGCAGAAAGTGTCTTATT  
CCGTGACTACGGGCTGAATGATCACGCCATGCTTAGATTTAAAGCTGGAAGCAAACCTTGGAGAAAATTTT  
TATGTCAGGCAAGATGGAACCAGATCGTATTTTTTACTGATGAATTCCTGGCGCAGCTCTTTGTGGATG  
CAGGTTATGAAGAAGTGGTGAACGAGTATGTGTTTCGAGAGACAGTGAATAAAAAAGAGGGCCTGTGTGT  
GCCTCGAGTTTTCTTTCAGAGCAAGTTCGGAAGCCTCCGAAGGCCAGCCCTACCAGTGACTCTGCT  
TCACTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203828 representing NM\_025907  
 Red=Cloning site Green=Tags(s)

MASFQRKGLQARILSTEEEEKLRDQALVSAFKQQKLEKEAQKNWDLFYKRNSTNFFKDRHWTTFEEEL  
 RSCREYEGQKL T LLEAGCGVGNCLFPLLEEDLNLFA YACDFSPRAVDYVKQHPL YNAERCKVFQCDL TRD  
 DLLLDHVPPESVDAVTLIFVLSAVHPEKMRLVLLNVYKVLKPGRSVLF RDYGLNDHAMLRFKAGSKLGENF  
 YVRQDGT RSYFFTDEFLAQLFVDAGYEEVVNEYVFRET VNKKEGLCVPRVFLQSKFRKPPKDPAPTSDSA  
 SL

TRTRPLE - GFP Tag - V

**Restriction Sites:**

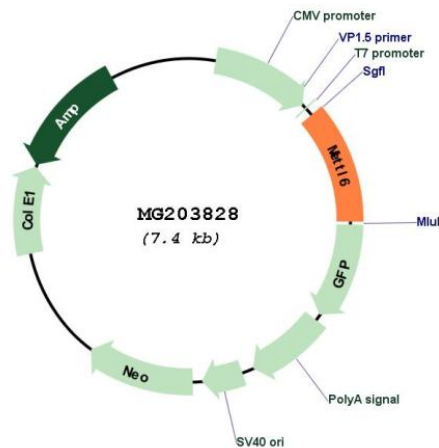
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_025907

**ORF Size:** 846 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025907.4</a>
<b>RefSeq Size:</b>	1905 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	67011
<b>UniProt ID:</b>	<a href="#">Q8BVH9</a>
<b>Cytogenetics:</b>	14 B
<b>Gene Summary:</b>	Probable methyltransferase.[UniProtKB/Swiss-Prot Function]