

## Product datasheet for **MG219390**

### Methig1 (NM\_001024672) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Methig1 (NM_001024672) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Methig1
Synonyms:	Mettl7a2-Higd1c; Mettl7a2Higd1c; Mettl7a2higd1c; UbiE-YGHL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219390 representing NM_001024672 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGCTTGCCGTCCAGGCCATGCGGCTGGTGGTCTGCATCGTGGCGTTTCCCATGTTTCTGCTGAACC  
TTCTAGGCATGTGGAGCTGGGTATGCAAAAAGTCTTCCCTACTTCTGAAGCGTTTCGCCATGATATA  
CAATTGGAAGATGGCGAGCCTAAAGCGGGAGCTTTCAGCAATCTGCAGGAGTTCGCCGGCCCTCGGGG  
AAGCTAACTCTGCTGGAGGTGGCTGCGGCACCGGGCCAACCTCAAGTTCTATCCCCCGGTGCAGGG  
TCACTTGTATCGACCCCAACCCAACTTGAAGAAGTTCTTGTTCAGAGCGTCGCAGAGAACCGGCAGCT  
GCAGTTCGAGCGCTTCGTGGTGGCAGCCGGGAGGACATGCACCAGGTGACCGATGGCTCTGTGGACGTG  
GTGGTCTGCACCCTGGTCTGTGCTCGGTGAAGAACCAGGAGAAGATTCTGCGCGAGGTGTGCCAGTGC  
TGAAGCCGAGAGAAATGTCTTCAGATGAGTGGTCAGCAGCTGAGGATGAAGGCCAGCTGTCCCGACTCCT  
CCGGAAATCGAGAGACTCCCCCTTTGTCCCGTGGGCATGGCAGGCTTTGTGGCTGTGCTGTCTACGGT  
CTTTACAAGCTAAATCCAGAAGAGAGCAGAAGATGTCCCTTCATCTCATCCACGTGCGGGTTGCCGCC  
AAGGATGTGTGGTGGGAGCCGTACTTAGGTGTTCTCTACTCTATGTATAAGGACTATATCAGACCTCG  
GTTCTTCAATGTACCCAAAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG219390 representing NM\_001024672  
Red=Cloning site Green=Tags(s)

MTLAVQAMRLVVCIVAFPMFLLNLLGMWSWVCKKCFYPFLKRFAMIYNWKMASLKRELF SNLQEFAGPSG  
 KLTLLEVGCGTGANFKFYPPGCRVTCIDPNPNFEKFLFKSVAENRQLQFERFVVAAGEDMHQVTDGSDVDV  
 VVCTLVLC SVKNQEKILREVC RVLKPREMSSDEWSAAEDEGQLSRLLRKS RDS PFVPVGMAGFVAVL SYG  
 LYKLSNRREQMSLHLIHVRVAAQGC VGVAVTLGVLYSMYKDYIRPRFFNVPKK

TRTRPLE - GFP Tag - V

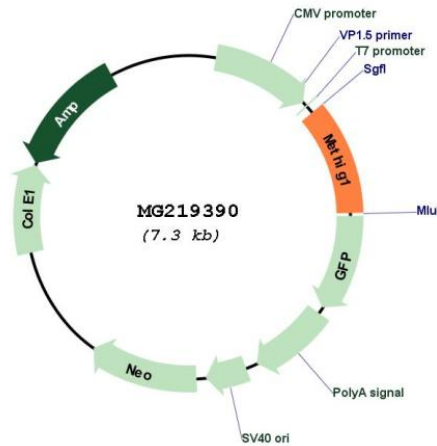
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001024672

**ORF Size:** 792 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_001024672.3</a> , <a href="#">NP_001019843.1</a>
<b>RefSeq Size:</b>	1449 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	554292
<b>Cytogenetics:</b>	15 F1