

## Product datasheet for **MG206020**

### Tor3a (NM\_023141) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tor3a (NM_023141) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tor3a
Synonyms:	Adir
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206020 representing NM_023141 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTCTTGGCGCTCTCTGTTGCTGCTGCTCCTGCCGCTGCGCCCCCGGGAGCGCAGGGCCAGGAGG  
CCGACGAGCCACCCCTTGGCCGAGCGTCAAAGGCCTGAAGGAGCAGCTGAGGAAGGCCGGTGCCCTCTC  
CAAACGGTACTGGGAGCTTTTCAGCTGCACCTTGTGGCCGATCACTGTGAAGACCAGGAGACCCCGTG  
CCGCTCTGGGCTGGAGCCTTCTCTGTGGGGCCGGCGGTGCTGGATGTGCTCACTGCATGGCTCTGTC  
GCTTTCAAGGACTGCTGCAGCGGGCGCGGATTGCAGGATCTCCAACAATTGACAGGCTTAGAATCAGA  
CTTGCGTGTACGACTGCACGGCCAGCATCTCGCTAGCAAGCTGGTCTAAGAGCAGTGAAGGGCTACTTA  
GAGATGCCCAAGTAGGCAAGGCCCTGGCTCTGTCAATCCACGGCTGGTCTGGCAGAGCAAGAATTCT  
TGGCAGGATACTGATGGACAACCTGTATCGGGACGGCATGAGGAGTGACTGTGTCAAGATGTTTATTTTC  
TACCTTCCACTTTCCACACCCCAAGTATGTGGACACGTACAAGGAAGAGTTGCAGAGGCAGATGCAGGAG  
ACGCAGTGGCGCTGCCACCAGAGCACGTTCTGCTTTGACGAAGCGGAGAAGCTGCACCCGGGGCTGCTGG  
AGCTGCTTGAACCTACCTGGAACCGAGGAGCCCTGAGGCCCGTGGAGTTGAGGCCCGCCGAGCCATCTT  
CCTTTTTCTCAGCAACCTCGGAGGCAGTGTCAATGAGGTAGTCTGAGTTTGCTTAAGGCTGGATGG  
TCCAGGGAGGAAATTACGACGCAGCACTTGGAGGTGCCCTTCAAGGCTGAGATGAGGAGCTGCAGACA  
GCAGCTTTGGCTCCAGCGGTCTCCTGAAGAAACACCTTATTGACCACTTTATCCCCTTCTGCCACTGGA  
GTACTGCCATGTGAGGCTGTGCGTCCGAGATGCCTTCTGGGCCAGGATCTCCCATACACAGAAGAGACC  
CTGGATGAAATCGCCAAGATGATGACATATGTCCTGAGGAAGAGCGGCTTTTCTCCTCTCAGGGCTGCA  
AATCCATTTCCAGAGAATCAACCTCTTCTGCT

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206020 representing NM\_023141  
 Red=Cloning site Green=Tags(s)

MFLGALWLLLLLPLRPPGAQQQEADPTPWPSVKGLKEQLRKAGALSKRYWELFSC TLWPDHCE DQETPV  
 PPLGWSLPLWGRSLDVL TAWLCRFQDCCSGGGDCRISNNLTGLESDLRVRLHGQHLASKLVLRAVKGYL  
 EMPQVGKALALSFHWSGTGKNFLARILMDNL YRDGMRSDCVKMFISTFHFPHPKYVDTYKEELQRQMQE  
 TQWRCHQSTFVFDEAEK LHPGLLELLEPEYLEPRSPPEARVEAPRAIFLFLSNLGGSVINEVVL SLLKAGW  
 SREEITTQHLEVPLQAEIMEAADSSFSSGLLKKHLIDHFI PFLPLEYCHVRLCVRDAFLGQDLPYTEET  
 LDEIAKMMTYVPEERLFSSQGCKSISQRINLFLP

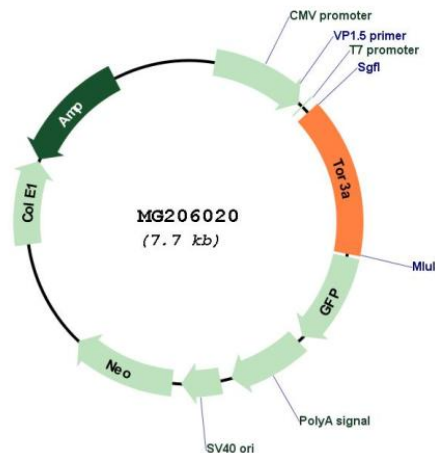
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_023141

<b>ORF Size:</b>	1155 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_023141.2</a>
<b>RefSeq Size:</b>	2303 bp
<b>RefSeq ORF:</b>	1158 bp
<b>Locus ID:</b>	30935
<b>UniProt ID:</b>	<a href="#">Q9ER38</a>
<b>Cytogenetics:</b>	1 G3