

## Product datasheet for **MG202509**

### TPD52I2 (NM\_025482) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TPD52I2 (NM_025482) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPD52I2
Synonyms:	2810411G23Rik; AU016537; C86069; D54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202509 representing NM_025482 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCTGCTAGCCAAGATATCAACCTGAATTCTCCTAACAAAGGTGTGCTGTCTGACTTTATGACTG  
ACGTCCCTGTTGACCCAGGTGTGGTCCACCGGACTCCAGTTGTAGAAGGCCTGACAGAGGGGAGGAAGA  
AGAGCTTCGGGCTGAGCTTGCTAAGGTGGAAGAAGAAATTGTCCTCTGCGCCAGGTGCTGGCAGCCAAA  
GAGAGGCACTGTGGAGAGCTGAAAAGGAGGCTGGGCCTCTCCACATTAGGGGAGCTGAAGCAGAACCTGT  
CTAGGAGCTGGCATGATGTGCAGGTCTCTACTGCCTATGTGAAAACGTCTGAGAACTTGGAGAGTGGAA  
TGAGAAAAGTGACGCACTCTGACCTCTACAAGAAGACTCAAGAACTCTTTCACAGGCTGGACAGAAAACA  
TCAGCTGCCCTGTCCACCATGGGCTCTGCCATCAGCAGGAAGCTTGGAGACATGAGCAGCTACTCCATCC  
GCCACTCGATAAGTATGCCTGTGCATGAGGAACTCAGCCACCTTCAAGTCATTTGAAGACCGAGTGGGGAC  
CATAAAGTCTAAGGTTGTGGTGGCAGAGAGAATGGCAGCGATAACCTCCCTCCCTCTCCTGGAAGTGGT  
GACCAGACATTGCCGGATCATGCGCCTTTC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202509 representing NM\_025482  
Red=Cloning site Green=Tags(s)

MDSASQDINLNSPNKGVLSDFMTDVPVDPGVVHRTVPVVEGLTEGEEEEELRAELAKVEEEEIVTLRQVLAAK  
 ERHCGELKRRLGLSTLGELKQNLRSRSHWDVQVSTAYVKTSEKLGWNEKVTQSDLYKKTQETLSQAGQKT  
 SAALSTMGSAISRKLGDMSYSIRHSISMPVMRNSATFKSFEDRVGTIKSKVVGGRENGSDNLPSPGSG  
 DQTLPDHAPF

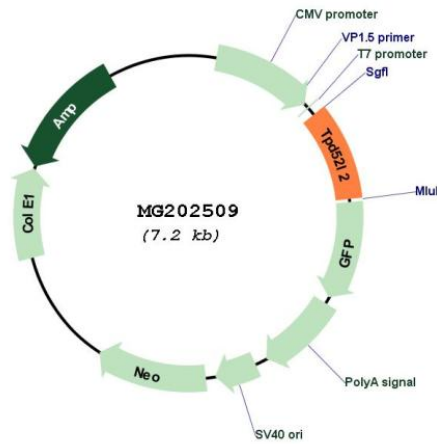
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_025482

**ORF Size:** 660 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_025482.3</a>
<b>RefSeq Size:</b>	2336 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	66314
<b>UniProt ID:</b>	<a href="#">Q9CYZ2</a>
<b>Cytogenetics:</b>	2 H4