

## Product datasheet for **MG214376**

### Nemp2 (NM\_001142647) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nemp2 (NM_001142647) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nemp2
Synonyms:	5330401P04Rik; 9830163O08; Tmem194b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214376 representing NM_001142647 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCTAGGTTGTGGTGGCTGGTCTGGCTGCAGCCCCTGGCTACACTGCCAGCGAGCGGGTGC  
ACGACGAGGAGGCAGCGATGTCAGTTCCCAGATGTAATCTCTGAAGGAAACGGACTTAATTAACCTTC  
TGTGTCAGACTGCTATTGCTACAATCAACATTCGCAAATCCAGTGGACATATATGTGGTCAACTGTGCAG  
GTGACAGTAACCAGCCCCGGCCTGCTCAATATTGTATATACACAGGAAGTCATAACTGCCAGCACACAG  
AAAGCATTTTATCATTTATCAAATGTGTGACTCATAACTTTTGGGCACCAGAGGAGGCTGAGGAGATAAC  
CATAGTCTTCAGTCCATATGGAGAACTGTGTGCTTCTCTGTGAAGCCTGTTGGGAGGCTCCTCCCTAC  
ATAGTAAGCGTGAGTCGAAACATTGTGGATTTCAAACCTTTCCTTGTGTTTGTGACAGGCATTTTCCCTT  
TCTTGTATGCAAAGACCTTGAGCCAAAGCCCTGTTTTCTATTACTCTTCCGGTACCGTGTAGGTATTCT  
AATGACATTAGTCTTTGTCCTTCTGATGGCTAAGAAACACATTCCAAAGTATAGCACATTTGGGGCGCTA  
ATGATTGGTTGTTGGTTGCTTCAGTTTATGTTTTGTGCCAGTTGATGGAAGATCTGAAGTGGCTGTGGT  
ATGAAACAGAATGTATATATTAGGCTATGTGGTGGTTGTTGGACTTTGTAGCTTTGCTGCCTGTTACAG  
TCACGGCCCTCTTGCTGATGAGGGGAGCAGAGACCTTCTCATGTGGACCTGAGGCTCTTCTCCCTGGCT  
CTGGCTACACTGGTGTGGCCGCTCCTCAGTTTGCCTATGCTGTTCTGATCGTCTTGTCTCCTGGA  
GTCTGCACTATCCTGAGAGCATTAGCTATCTCAGGTGAAAATGAGGCCGTGGTTACAGCAGAACC  
TCAGGTGGCGAGGTATCTCACTGATGACGAGTACAGGGAGCAAGCTGAAGCTGCAACAGCCAGGGCTCTC  
GAGGAACTGCGCAAGCCTGCTGCAGGCCTGACTTCCCTTCTGGCTGGCTGTCTCCAGACTCCAGGCTC  
CTAAAAAGTTTGAGAGTTTGTCTTGGAGCCAGCCACCTGTCCAGAGGAAAGTACACACATGAAAA  
GCAGTATGGCCTTGGGGTGCCTTCTGGAGGAACAGCTCTTAGCCTGCAGACTGACAGTCTACCTGCA  
AGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214376 representing NM\_001142647  
 Red=Cloning site Green=Tags(s)

MLPRLWWLVLWLQPLATLPASAVHDEEAAMSVPRCKSLKETDLIKTSVSDCYCYNQHSQIQWTYMWSTVQ  
 VTVTSPGLLNIVYITGSHNCQHTESILSFIKCVTHNFWAPEEAEIITIVFSPYGETVCF SVKPVGRLLPY  
 IVSVSRNIVDFKLFVFTGIFLFLYAKTLSQSPVFFYSSGTVLGILMTLVFVLLMAKKHIPKYSTFGAL  
 MIGCWFASVYVLCQLMEDLKWLWYGNRMYILGYVVVGLCSFAACYSHGPLADEGSRDLLMWTLRFLSLA  
 LVYTGVAAPQFAYAVLIVLLFSWSLHYLLRAFSYL RWKMRPWF TAEPQVARYLTDDEYREQAEAATARAL  
 EELRQACCRPDFPSWLAVSRLQAPKKFAEVLGASHLSPEEVSTHEKQYGLGGAFLLEEQLFSLQTDSLPA  
 S

TRTRPLE - GFP Tag - V

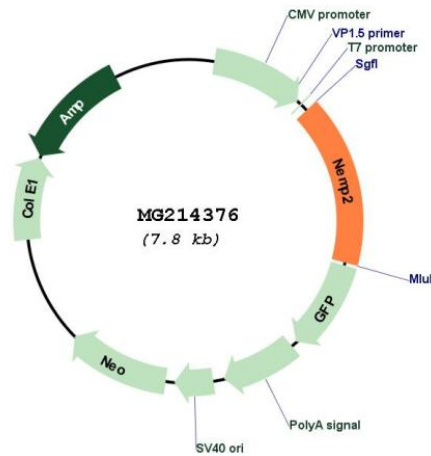
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001142647

<b>ORF Size:</b>	1263 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_001142647.1</a> , <a href="#">NP_001136119.1</a>
<b>RefSeq Size:</b>	3423 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	227094
<b>UniProt ID:</b>	<a href="#">Q8CB65</a>
<b>Cytogenetics:</b>	1 C1.1