

## Product datasheet for **MG214134**

### Tmem44 (NM\_172614) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem44 (NM_172614) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem44
Synonyms:	1700007N03Rik; 9330161C17Rik; B230220N21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214134 representing NM_172614 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGGGGGCTAGCGCCGCGCCCCGCTCTTGAACGGACTACCTGGAGCGCTGCTTCGCCCGCC  
GCCCGCTGCATCTCCTTCGGCTGTGGATCTGCGCCGCTGCTGTGGATCGCTGCCACACGCTGAT  
TCTCTACCTGAGATGCACAAAGAAGTGTAGCCAAGACCAGTCGACTGTGCGCTGCGTTCTGCCTCCTA  
ACGAGTCTGTGTACACCGTGGGGCGATTCTGGCCAGGCAGCTCAGATCCAGGTGTTCACTGGGGCT  
ACCTAGCAGCTGTCGATTCATGAACCTCATGTTCACTCTCTTCTGTCTGTGGATCCAAATCCAAGTC  
CAAGTCCGGTCAGAGCAGCAGGGAGAGGAGAAGAAGGCATCTGAGAGCCAGTGTGTTCCGCCCTGGCTCTG  
CCTCTGAGCCTGGGTCCAGGCTGGGCAATCTGGACCGCTATCCCAAGGCTCCAGCCCCAGTCCGTGGGC  
CACAACGGAGGCTCCTGGGAAGCCTTCTGCAGGAAAACCCGGAAGTCTTCGGCTACCTGCTGGGTGCTAT  
TGCTGCCCTTGGCTCCTGGGCATCCCGGATCCCTCCATTCTCCAATATCTGTGCGGGCAAGTCACTCTCC  
TATATCCACCTGTGACCCGGTTCCTGTGAGCTCTGGTGGTCTCCTCTACGCCCTCGGCCATCGTGGCTC  
ATGACCGGCAGCCTGAATACCTCCTCAGGCCACACCTGGTTCCTGATTTCACTGGGCCGAGCTGCGCT  
GGACCTTGCTATCATCTTCTGTCTGCGTGATAAAGAGCAGGATGAGCCGAGCCTTCAGATTTGCTACA  
GCTGAAGCCAGAGAGAGTGGCGACACACAAGCCCTTTTGACCTGTGCAGAGAAGGAAGAAGAAAACCCAGG  
AGGCCAGGACGGAGGACAAGAAGTCAAGTGGTGCCTCTGACCGCCTGTACACTGCAAGCCCCCTGAG  
GACAATGACAGCCATCAGTCGCTACATGGAGCTGACCATTGAGCCTGCCAGCAGGCAGGCTGTAGCGCC  
ACCAGGCTGCCCGGTGACGGGCAGACAAGCACCAGAGACGCCGCTCGAAGAGCCTCCCTCATACCCTC  
CCATCCAGGTCATCCAGGCCAGAGTGTCTCCAGCAGCTCCTCCGAGGTCCTCCATCAACTCGGACCT  
GGAGTGGGACCTGAAGATGTCAACCTTAAAGGAAAAGGACGGGGAACCTTAGAGTGCAGGTGCGC  
AGGGCCTCTTTGAGCCCCGTGGATTTGGCTCTGATGAC

**ACCGTACGGCGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214134 representing NM\_172614  
 Red=Cloning site Green=Tags(s)

MEEGASAAPLLNWDYLERCFARRRVCISFGLWICAACCWIAAHTLILYLRCTKKCSQDQSTLCAAFCLL  
 TSLCDTVGAILARQLTIQVFTGAYLAAVDFMFMFRLFVPCGSKSKSGQSSRERRRRHLRASVFALAL  
 PLSLGPWAIWTAIPKAPAPVRGPQRLLGSLAQENPEVFGYLLGAIAAFGSWASRIPPFVSNICRGKLSLS  
 YIHLWTRFLSALAGLLYASAIVAHDRQPEYLLQATPWFLISLGRAALDLAIFLSCVIKSRMSRAFRRFAT  
 AEARESADTQALLTCAEKEEENQEARTEDKNSDWVPLTSLSHCKPLRTMTAISRYMELTIEPAQQAGCSA  
 TRLPGDGQTSTRDAASQEPSPYPIQVIQARVSSSSSSEVSSINSLEWDPEDVNLERKKDGELLRVQVR  
 RASLSPVDLASDD

TRTRPLE - GFP Tag - V

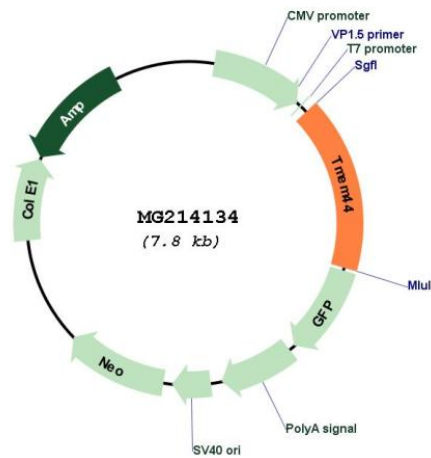
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_172614

<b>ORF Size:</b>	1299 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_172614.3</a> , <a href="#">NP_766202.3</a>
<b>RefSeq Size:</b>	4241 bp
<b>RefSeq ORF:</b>	1302 bp
<b>Locus ID:</b>	224090
<b>Cytogenetics:</b>	16 B2