

Product datasheet for **MG205170**

Tmem44 (BC080307) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem44 (BC080307) 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: >MG205170 representing BC080307
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTCATGTTCACTCTCTTTCTGTCTGTGGATCCAAATCCAAGTCCAAGTCCGGTCAGAGCAGCA
GGGAGAGGAGAAGAAGGCATCTGAGAGCCAGTGTTCGCCCTGGCTCTGCCTCTGAGCCTGGGTCCAGG
CTGGGCAATCTGGACCGCTATCCCAAGGCTCCAGCCCCAGTCCGTGGGCCACAACGGAGGCTCCTGGGA
AGCCTTCTGCAGGAAAACCCGGAAGTCTTCGGCTACCTGCTGGTGCTATTGCTGCCTTTGGCTCCTGGG
CATCCCGGATCCCTCCATTCTCCAATATCTGTCCGGGCAAGTCACTCTCCTATATCCACCTGTGGACCCG
GTTCTGTGAGCTCTGGCTGGTCTCCTCTACGCCCTCGGCCATCGTGGCTCATGACCGGCAGCCTGAATAC
CTCCTTACAGGCCACACCCTGGTTCTGATTTCACTGGGCCGAGCTGCGCTGGACCTTGCTATCATCTTTC
TGTCTGCGTGATAAAGAGCAGGATGAGCCGAGCCTTCAGATTTGCTACAGCTGAAGCCAGAGAGAGTGC
CGACACACAAGCCCTTTTGACCTGTGCAGAGAAGGAAGAAGAAAACCAGGAGGCCAGGACGGAGGACAAG
AACTCAGACTGGGTGCCTCTGACCAGCCTGTCACTGCAAGCCCTGAGGACAATGACAGCCATCAGTC
GCTACATGGAGCTGACCATTTAGCCTGCCAGCAGGCAGGCTGTAGGCCACCAGGCTGCCCGGTGACGG
GCAGACAAGCACCAGAGACGCCGCTCGCAAGAGCCTCCCTCATACCCTCCCATCCAGGTCATCCAGGCC
AGAGTGTCTTCCAGCAGCTCCTCCGAGGTCTCCTCCATCAACTCGGACCTGGAGCAGAAGTATTGGGAAG
CCCTAAACTCGGAGCAGTGGGACCCTGAAGATGTCAACCTTGAAAGGAAAAGGACGGGGAACCTCTTAG
AGTGCAGGTGCGCAGGGCCTCTTTGAGCCCCGTGGATTTGGCCTCTGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205170 representing BC080307
 Red=Cloning site Green=Tags(s)

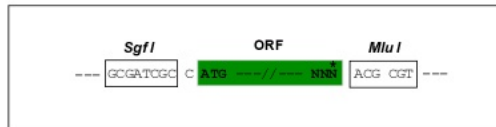
MNMFMTLFPVCGSKSKSKSGQSSRERRRRHLRASVFALALPLSLGPGWAIWTAIPKAPAPVRGPPQRLLG
 SLLQENPEVFGYLLGAIAAFWSWRIPPFSNICRGKLSYIHLWTRFLSALAGLLYASAIVAHDRQPEY
 LLQATPWFLISLGRAALDLAIIFLSCVIKSRMSRAFRFATAEARESADTQALLTCAEKEEENQEARTEDK
 NSDWVPLTSLSHCKPLRTMTAISRYMELTIEPAQQAGCSATRLPGDGQTSTRDAASQEPSPYPIQVIQA
 RVSSSSSEVSSINSLEQKYWEALNSEQWDPEDVNLERKKDGE LLRVQVRRASLSPVDLASDD

TRTRPLE - GFP Tag - V

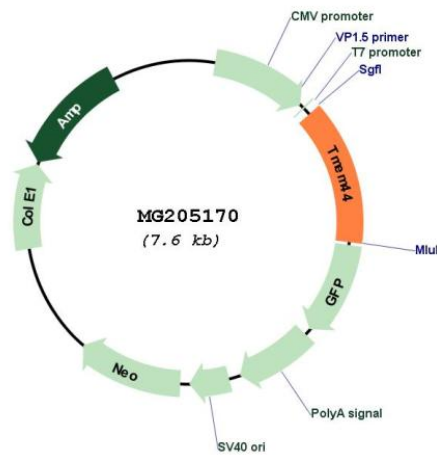
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC080307

ORF Size: 1034 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	BC080307
RefSeq Size:	4192 bp
RefSeq ORF:	1034 bp
Locus ID:	224090
Cytogenetics:	16 B2