

## Product datasheet for **MG214743**

### **Tmem8b (NM\_001085508) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem8b (NM_001085508) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem8b
Synonyms:	4930500O05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG214743 representing NM\_001085508  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACATGCCCCAGTCACTAGGCACCCAGCCACTGCCTCCGAGCCACCATCCCTGGGACTCCTATAG  
 AAGGGTCTGGAGCCATAGCACCCACTGAGCACTGCTGGCCAGTGGTCCGACTCTGCGCAATGAGCTGGA  
 TACCTTCTCTGTCCACTTCTACATCTTTTTTGGTCCCAGCGTGGCCCTTCCACCTGAGCGCCAGCTGTA  
 TTTGCCCTGAGGCTGTTGCCGGTCTGGACAGCGGGGGCGTCTTAGCCTGGAGCTCCAGCTCAATGCGA  
 GCTCTCTGCGCCAGGAAATGTAACAGTATTCGGATGCCTGACTCATGAGGTGCCCTTGAGCCTGGGGGA  
 TGCTGCTGTGACCTGTTCCAAAGAGTCCCTGGCAGGCTTCTTCTCTCGGTGAGTCCACCTCCAGAGTG  
 GCCAGGCTTCCAATCCCATTCCACAGACGGGGACCTGGTTCTGACCCTCCGTTCTCTGTGCGGGGTGG  
 GACCTCGGTTTGTGCGGTGCCGAATGCAACGGCAGAAGTGGGCTGCGTACCTTCTGTCCCCATGTGT  
 GGATGACTGTGGCCCTATGGCCAGTCAAACCTGCTGCGCACCCACAACCTACCTGTACGCGGCCCTGCGAG  
 TGCAAGGCTGGGTGGCGGGCTGGGGTTGCACAGACAGTCCGACGCGCTCACCTATGGATTCCAGCTGC  
 TGTCACACTCCTCCTCTGCCTGAGCAACCTCATGTTTTTGCACCTGTGGTCTGGCCATTCCGAGCCG  
 ATACGTGCTGGAAGCTGCCGTCTACACCTTCCACCTGTTCTTCTCCACGTTCTATCATGCCTGTGACCAG  
 CCAGGCATTGTGGTTTTCTGTATCATGGACTATGATGACTTCAGTTCTGTGATTTCTGGGCTCCTTAA  
 TGTCCGTGTGGGTACCGTCATAGCCATGGCTCGTCTGCAGCCTGTGATCAAGCAGGTGCTGTATCTGCT  
 CGGGGCTATGCTGCTGTCTATGGCTCTGCAGCTTGACCGCATGGACTCTGGAATCTGCTGGGACCCAGT  
 CTCTTTGCCCTCGGATCTTGGCCACAGCTTGGACAGTTCGACGCTCCGGCGCCGGCAGCTGTTACCCAC  
 GCACATGGCGCCGCTGGCTTTTCTACCTGTGTCCCGCAGCCTGATTGCTGGCAGTCCGTTCTACTGTGA  
 TGCTTTTGGTGGAGACTCGGGACAACACTTCTACATTACAGCATTGGCACATGCTCATTGCTGGCAGT  
 GTGGGTTCTGCTGCCTCCCCGTGCCAAGACTGACCGCCGGTCCCTTCTGGAGCCCGGCCAGGGGCT  
 GCGGTTACCAGCTGTGCATCAATGAACAGGAGGAGCTGGGACTTGTGGGCCAGGAGGGACCACTGTGAG  
 CAGCATCTGTGTCAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG214743 representing NM\_001085508  
 Red=Cloning site Green=Tags(s)

MNMPQSLGTQPLPPEPPSLGTPIEGSGAIAPTEHCWPVRPTLRNELDTFSVHFYIFFGPSVALPPERPAV  
 FALRLLPVLDSSGVLSELEQLNASSLRQENVTVFGCLTHEVPLSLGDAAVTCSKESLAGFLLSVSATS  
 ARLRIPFPQTGTWFLTLRSLCGVGRFVRCRNATAEVRRLRTFLSPCVDDCGPYGQCKLLRTHNYLYAACE  
 CKAGWRGWGCTDSADALTYGFQLSTLLCLSNLMFLPPVVLAIERSRYVLEAAVYFTMFFSTFYHACDQ  
 PGI VVFCIMDYDVLQFCDFLGSLSVWVTVIAMARLQPVIKQVLYLLGAMLLSMALQLDRHGLWNLLGPS  
 LFALGILATAWTVRSVRRRHCPPTWRRWLFYLCPSGLIAGSAVLLYAFVETRDNYFYIHSIWHMLIAGS  
 VGFLPPRAKTDRRVPSGARARGCYQLCINEQEELGLVGPGGTTVSSICVS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001085508

**ORF Size:** 1416 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:**

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:** [NM\\_001085508.2](#), [NP\\_001078977.1](#)

**RefSeq Size:** 4787 bp

**RefSeq ORF:** 1419 bp

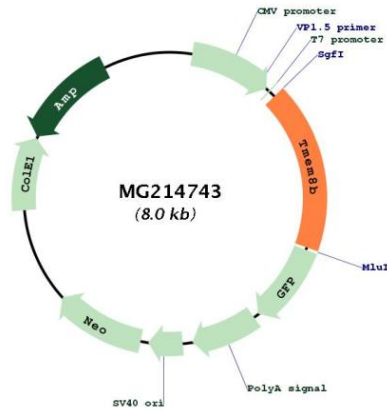
**Locus ID:** 242409

**UniProt ID:** [B1AWJ5](#)

**Cytogenetics:** 4 A5-B1

**Gene Summary:** May function as a regulator of the EGFR pathway. Probable tumor suppressor which may function in cell growth, proliferation and adhesion (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG214743