

## Product datasheet for MR205296

### Tmem185b (NM\_146103) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem185b (NM_146103) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem185b
Synonyms:	2500001K11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205296 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACCCAGGGGCTGTTCCAGGACTTCAACCCAGTAAGTTCCTCATTTATGCCTGCTTGCTACTCT  
TCTCCGTGCTGCTGCCCTGCGCTGGACGGCATCATCCAGTGGAGCTACTGGCAGTCTTCGCCCCAT  
CTGGCTGTGGAAGCTCCTGGTATCGTGGGCGCCTCGGTGGTGC GGCGTGTGGCCCCGAACCCACGC  
TACCGTACAGAGGGGAAGCCTGCGTGAATTCAAAGCCATGCTTATCGCCGTGGGCATCCACCTGCTAC  
TACTCATGTTTGAGATACTAGTCTGCGACAGGGTGGAGAGGGGCACCCACTTTTGGCTGCTGGTCTTCAT  
GCCACTCTTCTCGTTTCCCTGTGTCCGTGGCCGCTGTGTCTGGGGCTTCGACACGACAGGTCTTTG  
GAACTGGAGATCCTGTGCTCTGTCAACATCCTGCAGTTTCACTTCATCGCCCTGAGGCTGGACAGGATTA  
TCCACTGGCCGTGGCTAGTGGTGTTCGTGCCCTGTGGATCCTCATGTCACTTCTCTGCCTGGTAGTTCT  
CTATTACATCGTGTGGTCCCTCCTATTCTGCGGTCCCTGGATGTGGTTGCAGAGCAGCGAAGAACACAT  
GTGACCATGGCCATCAGCTGGATCACCATTGTCGTGCCCTGCTCATTTTTGAGGTCCTGCTAGTTCACA  
GACTGGATGACCACAATACGTTCTTACATTTCCATTTTCATCCCGCTTTGGCTCTCATTACTGACTTT  
GATGGCTACAACGTTTCAGGCGGAAAGGGGCAATCATTGGTGGTTGGGATTCGACAGGATTTCTGTCAG  
TTTCTACTAGAAGTTTTCCGTTTTTAAGAGAATATGGAATATCTTACGATCCTCCATCACAAGACA  
GTGAAGATGCTGAAGACGCATCGGTGTCAGAAGCTCCGAAAATTGCTCCAATGTTTGGAAAAGAAGCGCG  
GGTAGTTATAACACAGAGCCCTGGGAAATATGTGCCTCCACCTCCAAGTTAAACATTGATATGCCAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205296 protein sequence  
Red=Cloning site Green=Tags(s)

MNPRGLFQDFNPSKFLIYACLLLFVLLPLRLDGIQWSYWAVFAPIWLKLLVIVGASVGAGVWARNPR  
 YRTEGEACVEFKAMLIAVGIHLLLMFEILVCDRVERGTHFWLLVFMPFFVSPVSAACVWGRHDSL  
 ELEILCSVNILQFIFIALRLDRIIHWPLVVFVPLWILMSFLCLVLYYIVWSLLFLRSLDVVAEQRRTH  
 VTMAISWITIVVPLLIFEVLLVHRLDDHNTFSYISIFIPLWLSLLTLMATTFRRKGGNHWWFGIRRDFCQ  
 FLLEVFVPLREYGNISYDLHHEDEDAEDASVSEAPKIAPMFGKKARVVITQSPGKYVPPPKLNIDMPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_146103

**ORF Size:** 1053 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\\_146103.2](#)

**RefSeq Size:** 2830 bp

**RefSeq ORF:** 1053 bp

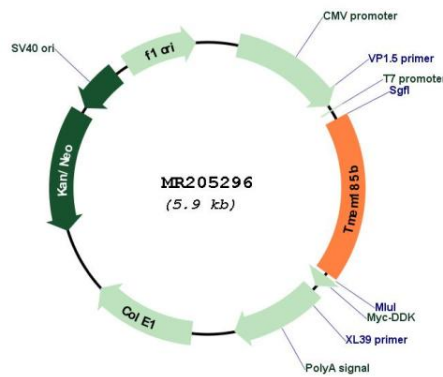
**Locus ID:** 226351

**UniProt ID:** [Q8R3R5](#)

**Cytogenetics:** 1 E2.3

**MW:** 40.7 kDa

**Product images:**



Circular map for MR205296