

## Product datasheet for **MC218980**

### **Tmem87b (NM\_028248) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem87b (NM_028248) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem87b
Synonyms:	2610301K12Rik; 2810431I02Rik; AU014804
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC218980 representing NM\_028248  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGCCGCCTGTCTGGTCTGAGGCTGGCCTCCTTCCAGCCTCCTCTGCCGCCGGCCCGGGGCCCC  
 AGCTGCTGCGAGTTGCCCTGTGTCTCCTGTCTGGGTCCCGCGGCTGTGGACGAGTCCCGAGCTCGG  
 GCTTTGGACGAGGACGGTCAATGACAAATCAGGACCTTTGGTATTCAGGAAAATATGTTAACTCTACT  
 GAGATCAAGTTTTCTGTGAAGTCGTTCACTTGTCTGGACCTGTGAAGTTTACCATAGAGTGGCATTTGA  
 AGTATCATACCTGTCACAATGATTACCCTGATCTGGAGGAGGAGCTGCCAAAGACATGAACCTCATGC  
 TGATCCAGATGTCTGTGCTTACTTCAAAAACATTGACTGTTGGACAACAAAAAGTAAAACCTGGATTGC  
 AGCAGTGATTCACAGGCATTTCCCTCATTGAATAATAAAGAACTAACAGGTATCAGAAACATTTCAAGCC  
 AGGAAGGATCAACGGATGTTGTAGCCAGGACCCAGAAAGATGGCTCCATATCTTCATTGTTTCTATTAA  
 AACGGAGAAAACAGATGCAGTCTGGGATTTAAATGTTTCTTTTCTATGGTGGTCTCATGGGTACATC  
 TCTGCATCAGACTGGCCTCATGATTTTTTATATGGTGTATGTATCGTTTACATATTATATGGTGCC  
 TCTGGCTGCTGTGGTCTGCCTGTTACTGGAAAAGATATATTAAGAATTCAGTTCTGGATTGCACTGTTAT  
 TTTCTAGGAATGCTTGAAGGAGGAGTTTTTATAGTGAATACAAAACATCAACAGCACTGGACTGTCA  
 ACTCAAGGTTTACTGATATTTGCAGAGCTGATATCTGCAGTTAAGAGGACATTGGCTCGCCTGCTTGTGA  
 TCATTGTGAGCTTGGGTTATGGCATTGTGAAGCCTCGCTTAGGAACAGTATGCACCGGGTGATTGGACT  
 GGGACTGCTTACTTGTCTTTGCAGCCATTGAAGGCGTCATGAGAGTATCGGGGGTCTAAACATTTA  
 GCTGTTGTTTTGACTGACATTGTTTTAGCAGTTATTGACTCCATTTTTGTGTGGTTCATTTTTATAAGTT  
 TGGCAGACTATGAAGACTCTAAGGCTAAGAAAGAACACAGTGAATTTTCATTGTATAGGCATTTTAC  
 AAATACACTCATCTTTGCAGTGTGGCTTCTATAGTGTTTATGGTGTGGACAACAAAGACCTTCAGGATC  
 GCAAAATGCCAATCAGACTGGATGGAGCTGTGGGTTGACGATGCGTTTTTGGAGCTTCTCTTTTCAGTCA  
 TCCTTATTGTGATAATGTTCTTATGGAGGCCGTCAGCAAATAATCAGAGGTATGCCTTCATGCCCTTGAT  
 AGATGACTCTGATGATGAAGTCGAGGAATTCATGGTAACATCTGAAAATTTAACTGAGGGAATAAACTA  
 AGAGCCTCAAAAACGGTTTCAAACGGAACAGCTAAACCTACGCTCTGATAATTTTGTGAGATTTGAAGT  
 GGGTGGAAAGAAAACATCCCTCTCGTTACAGATGTAGCTCTCCAGTGTAGTGGACTCAGATGAGGA  
 AATTATGACCAGATCTGAAATAGCTGAAAAATGTTCTCTTCAGAAAAGATAAT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_028248
- Insert Size:** 1668 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_028248.2](#), [NP\\_082524.2](#)

**RefSeq Size:** 4631 bp

**RefSeq ORF:** 1668 bp

**Locus ID:** 72477

**UniProt ID:** [Q8BKU8](#)

**Cytogenetics:** 2 F1

**Gene Summary:** May be involved in retrograde transport from endosomes to the trans-Golgi network (TGN).  
[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) uses two alternate splice junctions compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.