

## Product datasheet for **RN215872**

### **Tmem170b (NM\_001008774) Rat Untagged Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Tmem170b (NM\_001008774) Rat Untagged Clone  
Tag: Tag Free  
Symbol: Tmem170b  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Fully Sequenced ORF: >RN215872 representing NM\_001008774

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGCGGAGGGCGCCGACCACTCGATGATCAACCTGTCGGTGCAGCAGGTCTGAGCCTCTGGGCC  
ATGGCACGGTGCTGAGGAACCTCACGGAGATGTGGTATTGGATCTTCCTCTGGGCTCTCTCTCCTCTCT  
GTTTGTGCACGGTGCTGCAGGCGTGCTGATGTTTGTGATGCTCCAGCGGCACAGGCAGGGCAGAGTGCTC  
TCCATCATCGCCGTCAGCATCGGCTTCTGGCCTCCGTAACCGGAGCAATGATTACTAGTCAGCAGTGCTC  
CTGGCATCTACAGAGTGGCTGGGAAGAACATGGCCCCCTGGAAGCCCTGGTGTGGGTGTGGGGCAGAC  
TGTA CTGACACTTATCATCTCTTTTCAAGGATCCTCGCAACACTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: NM\_001008774  
Insert Size: 399 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                | <u><a href="#">NM_001008774.2</a></u> , <u><a href="#">NP_001008774.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>           | 941 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq ORF:</b>            | 399 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 361230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>            | <u><a href="#">Q7TQ79</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>          | 17p13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |