

## Product datasheet for **MR208446**

### **Tbc1d19 (NM\_144517) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Tbc1d19 (NM_144517) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | Tbc1d19                                    |
| Synonyms:                 | 2810453K03Rik                              |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>MR208446 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGCAGGAGGAGTCGGACCTGTCCCTCATCTGCCCAGATCGTCCAGAACTCAAGGGCTCCAATT  
 TGTATGCTCAGCTGGAACGGCAGGCCTGGTCTGTCTTACAGAGACCCGAGATCAGACTCGAATCACTCAA  
 AGAAGATATTAAGGAATCTTTAAAATATCAGGTTGGGAGAAGAACTCAGAATGCTGTTTATAGTGAA  
 CTGAATGTGTTTCCTTTGCCAAGTCATCCTTCTGCACCCCTGAGCATCTCAAAGAACCTTTGGTGTACA  
 TGAGGAAAGCACAGGGAAGCTGGGAAAAAAGAATCTTGAAGAGTTTAAATAGTATGTGCACAGAAGTGA  
 TATCCCACTAGCACGAAAGAGACCAGCTATGGAGCAGAAAGAGCTTCTCAATAAGTGAATGAGATGGGA  
 ACGGATGAGCCAGATTTAAGCCTTTTTCGACCCGTTTATGCACCTAAGGACTTTCTTGAGGTATTAATTA  
 ATCTCCGCAACCCAAATATGAAAATGGTGATTCTCTTAGTTTTAGGACTCATTGGGTTTAAATCCAAGT  
 TCCTCTGAAAGTAAAAGACATCCCTGAATTGAAAGAATGCTTTGTAAGACTTGGCTTAAACACAGGACAA  
 CTGGGAATAGATGATTCTACACAAGTGCCTCCTGAACTTTTTGAAAATGAACATGTGCGTATTGGGCAGA  
 AAGTCTAGCGCAGCAGGACAGCGCTGCTGCTCAGCAGTACATCCGACAAGGAAGTCCCACAGCACTGAG  
 AGCTGAGCTCTGGGCGCTCATTCTGAATATCTCCAGTCAGCCTGAGGATATCCTGTATTATGAGCAGCTT  
 AAGACCAATGTGATCCAGCAGCAGCTTTTGGTGGCAGAGTCAATTTATAAAGATGTGAAGCTGACAGCGA  
 GCAATGATGATTACTATTTTGTATTTGAAGATTATTTATATCAGGTGTTACTTTGCTTTTACGGGATAC  
 GTCTGTACTGGGCCACTTTGCATACAACAGTGTTCACCGCCGAAGTCATACATCAGAGGAAAACAGGA  
 TTAGAAGAATATGCTGTTTTCTATCCGCCAATGGTGTATCCCTTTCCATGGGTTTTCCATGTATGTTG  
 CACCAATGTGTTTTCTGTATCATGAACCTTACAAATTGTATCAGATATCCGTGAGATGTACGTCGGCTT  
 TTTCTCAGACTCCACTCCATCTCCTCTCATCCTTCTGGTATTGTGTCACTCTGTTTGTGTTTGAACCT  
 CTTCTTCAAACGTATCTTCCCAACTCTTTTATCATCTGCGAGAAATTGGAGCTCAACCACTTCGGATAT  
 CATTAAATGGATGGTTCGAGCTTTTTCTGGATACTTAGCTACAGACCAACTCTTGCTTTTATGGGATAG  
 AATTCTAGGATACAACCTCTTGAAATACTTGCTGTGCTGGCAGCTGCCGTGTTTGTCTTCCGAGCAGTG  
 AACCTGATGGAGGTGACATCACTGGCTGCAGCTGAAGCAGTCTGGCTGACCTTTCTACTTTAAAGTCA  
 TGCCTCTTCTCAAATTTTTCTGTTTGTACCGTCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208446 protein sequence  
 Red=Cloning site Green=Tags(s)

MLQEESDLSLIIAQIVQKLGKSNLYAQLERQAWSCLRPEIRLESKEDIKEFFKISGWEKKLQNAVYSE  
 LNVFPLPSHPSAPPEHLKEPLVYMRKAQGSWEKRILKSLNSMCTELSIPLARKRPAMEQKELLNKWNEMG  
 TDEPDLSLFRPVYAPKDFLEVLINLRPNPYENGDSLFRTHLGLIQVPLKVKDIPELKECFVELGLNTGQ  
 LGIDDSTQVPPELFENEHVRIGQKVLAAQDSAAAQQYIRQGSPTALRAELWALILNISSQPEDILYYEQL  
 KTNVIQHDLVDSLIIYKDVKLTAASNDYYVFEDYLYQVLLCFSRDTSVLGHFAYNSASPPKSYIRGKLG  
 LEEYAVFYPPNGVIPFHGFSMYVAPLCFLYHEPYKLYQIFREMYVRFRRFRLHSISSHPSGIVSLCCLLFFET  
 LLQTYLPQLFYHLREIGAQPLRISFKWMVRAFSGYLATDQLLLLLWDRILGYNLSLEILAVLAAAVFAFRAV  
 NLMEVTSLAAA EAVLADLSTLKVMPLLQIFLFATVT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_144517

**ORF Size:** 1581 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\\_144517.1](#)

**RefSeq Size:** 2688 bp

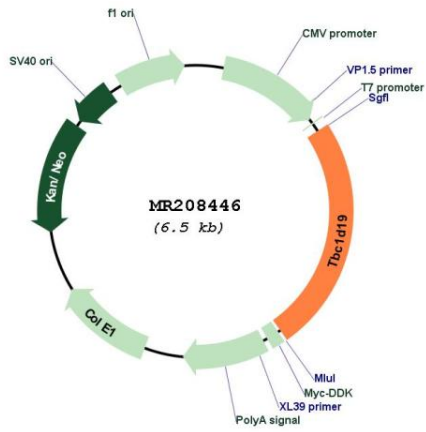
**RefSeq ORF:** 1581 bp

**Locus ID:** 67249

**Cytogenetics:** 5 C1

MW: 60.4 kDa

Product images:



Circular map for MR208446