

## Product datasheet for **MG208446**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d19 (NM_144517) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbc1d19
Synonyms:	2810453K03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208446 representing NM\_144517  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGCAGGAGGAGTCGGACCTGTCCCTCATCATTGCCAGATCGTCCAGAACTCAAGGGCTCCAATT  
 TGTATGCTCAGCTGGAACGGCAGGCCTGGTCTGTCTTCAGAGACCCGAGATCAGACTCGAATCACTCAA  
 AGAAGATATTAAGGAATTCTTTAAAATATCAGGTTGGGAGAAGAACTCAGAATGCTGTTTATAGTGAA  
 CTGAATGTGTTTCCTTTGCCAAGTCATCCTTCTGCACCCCTGAGCATCTCAAAGAACCTTTGGTGTACA  
 TGAGGAAAGCACAGGGAAGCTGGGAAAAAAGAATCTTGAAGAGTTTAAATAGTATGTGCACAGAAGTGA  
 TATCCACTAGCACGAAAGAGACCAGCTATGGAGCAGAAAGAGCTTCTCAATAAGTGAATGAGATGGGA  
 ACGGATGAGCCAGATTTAAGCCTTTTCGACCCGTTTATGCACCTAAGGACTTTCTTGAGGTATTAATTA  
 ATCTCCGCAACCCAAATTATGAAAATGGTGATTCTCTTAGTTTTAGGACTCATTTGGGTTTAAATCCAAGT  
 TCCTCTGAAAGTAAAAGACATCCCTGAATTGAAAGAATGCTTTGTAAGACTTGGCTTAAACACAGGACAA  
 CTGGGAATAGATGATTCTACACAAGTGCCTCCTGAACTTTTTGAAAATGAACATGTGCGTATTGGGCAGA  
 AAGTCTAGCGCAGCAGGACAGCGCTGCTGCTCAGCAGTACATCCGACAAGGAAGTCCCACAGCACTGAG  
 AGCTGAGCTCTGGGCGCTCATTCTGAATATCTCCAGTCAGCCTGAGGATATCCTGTATTATGAGCAGCTT  
 AAGACCAATGTGATCCAGCAGCCTTTTGGTGGCAGCTAATTTATAAAGATGTGAAGCTGACAGCGA  
 GCAATGATGATTACTATTTTGTATTTGAAGATTATTTATATCAGGTGTTACTTTGCTTTTCACGGGATAC  
 GTCTGTACTGGGCCACTTTGCATACAACAGTGTTCACCGCCGAAGTCATACATCAGAGGAAAACTAGGA  
 TTAGAAGAATATGCTGTTTTCTATCCGCCAATGGTGTATCCCTTTCCATGGGTTTTCCATGTATGTTG  
 CACCATTGTGTTTTCTGTATCATGAACCTTACAAATTGTATCAGATATCCGAGATGTACGTCGGCTT  
 TTTCTTACAGACTCCACTCCATCTCCTCTCATCCTTCTGGTATTGTGTCACTCTGTTTGTGTTTGAAC  
 CTCTTCAAACGTATCTTCCCAACTCTTTTATCATCTGCGAGAAATTGGAGCTCAACCACTTCGGATAT  
 CATTAAATGGATGGTTCGAGCTTTTTCTGGATACTTAGCTACAGACCAACTCTTGCTTTTATGGGATAG  
 AATTCTAGGATACAACCTCTTGAAATACTTGCTGTGCTGGCAGCTGCCGTGTTTGTCTTCCGAGCAGTG  
 AACCTGATGGAGGTGACATCACTGGCTGCAGCTGAAGCAGTCTGGCTGACCTTTCTACTTTAAAAGTCA  
 TGCCTCTTCTCAAATTTTTCTGTTTGTACCGTCACC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208446 representing NM\_144517  
 Red=Cloning site Green=Tags(s)

MLQEESDLSLIIAQIVQKLGKSNLYAQLERQAWSCLRPEIRLESLEKEDIKEFFKISGWEKKLQNAVYSE  
 LNVFPLPSHPSAPPEHLKEPLVYMRKAQGSWEKRILKSLNSMCTELSIPLARKRPAMEQKELLNKWNEMG  
 TDEPDLSLFRPVYAPKDFLEVLINLRPNPYENGDSL SFRTHLGLIQVPLKVKDIPELKECFVELGLNTGQ  
 LGIDDSTQVPPELFENEHVRIGQKVLAAQDSAAAQYIRQGSPTALRAELWALILNISSQPEDILYYEQL  
 KTNVIQHDLLVDSL IYKDVKL TASNDDYFVFEDYLYQVLLCF SRDTSVLGHFAYNSASPPKSYIRGKLG  
 LEEYAVFYPPNGVIPFHGFSMYVAPLCFLYHEPYKLYQIFREMYVRRFFRLHSISSHPGIVSLCCLL FET  
 LLQTYLPQLFYHLREIGAQPLRISFKWMVRAFSGYLATDQLLLLLWDRILGYNLSLEILAVLAAAVFAFRAV  
 NLMEVTSLAAA EAVLADLSTLKVMP LLQIFLFATVT

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_144517
<b>ORF Size:</b>	1578 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_144517.1</a>
<b>RefSeq Size:</b>	1981 bp
<b>RefSeq ORF:</b>	1581 bp
<b>Locus ID:</b>	67249
<b>Cytogenetics:</b>	5 C1