

## Product datasheet for MC210509

### Tbc1d20 (NM\_024196) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tbc1d20 (NM\_024196) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tbc1d20  
**Synonyms:** 1110028I04Rik; 2810442O16Rik; AI414693; bs  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210509 representing NM\_024196  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCTCCGGCCCTCAAAGGGCGACGGCTCCGCCGGCCGCTGGGACCGCGGCCGAGGAAAGGCAGACT  
 TTAATGCCAAAAGGAAAAAGAAGGTGGCAGAGATACACCAGGCTCTGAACAGTATCCCATCGACTTGGC  
 TGCCCTCCGACGAATGGCTATCAGTGAGGGAGGGCTCCTGACTGATGAGATCAGGTGCCAAGTATGGCCT  
 AAGCTCCTCAACGTGAACACCAGTGAGCCACCGCTGTGTCAAGGAAGGACCTTCGAGACATGAGCAAGG  
 ACTACCAGCAAGTGTCTGGACGTGAGCGATCTCTTCGGCGCTTCCCCCTGGCATGCCGGACGAGCA  
 GAGAGAAGGGCTCCAGGAAGAGCTAATCGATATCATCCTCCTCGTCTGGATCGCAACCCTCAGCTCCAC  
 TACTACCAGGGCTACCATGACATCGTGGTCACATTTCTGCTGGTGGTGGGGGAGAGGGTGGCAACATCCC  
 TGGTAGAAAAATTGTCTACCCACCACCTCAGGGATTTTCATGGATCCCACAATGGACAACACCAAGCACAT  
 CCTAAATTATCTGATGCCCATCATTGACCAAGTGAGCCAGAGCTCCACGACTTCATGCAGAGTGTGAG  
 GTGGGGACCATCTTTGCCCTCAGCTGGCTTATCACCTGGTTTGGGCACGTCCTGATGGACTTCAGGCACG  
 TTGTGAGGTTATACGACTTCTTCCTGGCTGCCACCCACTTATGCCATTTACTTTGACAGTGTGATCGT  
 GCTGTACCGGGAGCAGGAAGTCCCTGGACTGTGACTGTGACATGGCCTCTGTCCACCACCTGTTGCCAG  
 ATCCCTCAGGACCTGCCCTATGAGACGCTCATCAGCAGAGCAGGAGACCTCTTTGTTTCAGTTTCCCCCTT  
 CTGAACCTGCAAGGGAGGCAGCTGCTCAGCAGGAGGCTGAGAGAACGGCAGCCTCTACTTTCAAAGACTT  
 TGAGCTGGCATCAACTCAGCAGAGGCCAGACATGGTGTGCTGCGGCAGCGTTTCGGGGACTTCTGAGGCC  
 GAGGCTCGAACAAAAGATGTCCTGACCAAACCAAGGACCAACCGCTTTGTGAACTGGCAGTGTGGGGC  
 TGACGGTGGCCCTCGGAGCAGCAGCACTAGCAGTGGTGAAGAGCGCCCTGGAGTGGGCCCTAAGTTCCA  
 GCTGCAGCTGTTCCCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_024196
<b>Insert Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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).
<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_024196.3</a></u> , <u><a href="#">NP_077158.1</a></u>
<b>RefSeq Size:</b>	1936 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	67231
<b>UniProt ID:</b>	<u><a href="#">Q9D9I4</a></u>
<b>Cytogenetics:</b>	2 G3
<b>Gene Summary:</b>	GTPase-activating protein specific for Rab1 and Rab2 small GTPase families for which it can accelerate the intrinsic GTP hydrolysis rate by more than five orders of magnitude. [UniProtKB/Swiss-Prot Function]