

## Product datasheet for **MC222675**

### **Tbc1d2 (NM\_198664) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d2 (NM_198664) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d2
Synonyms:	A630005A06Rik; BC022630; Gm1037; PARIS-1; PARIS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222675 representing NM\_198664  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGACGCCCCGAGCGCACTCCCTCTTCCTCGGAGTCCACACAGCCTCCGGGCTTGGCCAGGGAGC  
 CCGAGGTGGTATCTCCCGGGATTTCGGAGGGCTGCGCCCGCCTTAGACACGGTCCCTAAGAACTCTG  
 TGGGTATTTAAGTAAGTTTGGCGCAAAGGACCCATCAAGGGCTGAAATGCCGCTGGTTCTTCTACGAT  
 GAGAGGAAGTGCCACCTGTATTATTCGCGCACCAGCGCAGGATGCAAACCCCTTGACAGCATCGATCTCT  
 CCAGTGCAGTCTTTGACTGTAAGGCGGACGCTGAGGAGGAGGGCACTTTTGAAATCAAGACTCCCAGCCG  
 GGTTATTACCCTCAAGGCTGCCACCAAGCAGGCCATGCTCTACTGGCTACAGCAGCTGCAGATGAAGCGC  
 TGGGAGTTCACAACAGCCACCTGCACCTCCCGCCACCCTGCTGCCGCCCTGGCTGAGAATGGGCCCA  
 CCCTGCACCTCAAAGTAGAGCAAGAGGAGGCCGAGCTGGAGGAGTTCCTGTGCCCTGTGAAAACACCCAC  
 TGGACTCGTGGGTGCGGACGCTGCCTTACAGCCTGTCCCTGCCGTGCCCTCAGCCCTTCAGAACATCTCC  
 CTAAGGATCTGGGCACTGAAATACAAAACACCATGCACAACATCCGTGGCAACAAGCAGGCCCAAGCGG  
 CAGCCACGGGCCACTCGTGGAAGACTCGCCTCAGGGTGGAGAGCCTCAAAGCGGGGAACAGCCCTCGAT  
 CTCTGACCCAGCCTTCCAGAAAAGAGCCAGAGGATCCTGCCAAGTCTGCACCCAGGTCCTCTGTGCC  
 TCAGGTCCCACGCAGAAACCCAAGCGGCAAGCAACACCTTCCATTCTTTCCGATGGACTGGCTCGGA  
 GCCGCACAGCCAGGAGAAGGTGGCGGCTTGGAGCAGCAGGTGCTGATGCTCACCAAGAGCTCAAGTC  
 ACAGAAGGAGCTGGTGATCATCTACACAAGGCCCTGGAGGCTGCCAGCAGGAGAAGCGAGCCTCCAGT  
 GCCTACCTGGCAGCCACCGAGGACAGAGACCGGTTGGAGCTGGTCCGGCACAAGGTGCGGAGATCGCTG  
 AGCTGAACCAAGGGTGGAGGCTCTGGAGCAGGGCCGAGCGCTGGCGCATGAGGCGCCCTCGGGGA  
 GCAGCAGGTGCAGGCGCTCCAGCAGCACGTGCAGCTGCTCATGGATAAGAACCATGCCAAGCAACAGGTC  
 ATCTGCAAGCTCACCCAGAAGCTCACGGAGGACCTTGCCAGCCCGCGACGCTACCAACGGCGACTTCC  
 TGAGCCAGCAGGAGAGGATGGAGCATCTGAAGGATGACATGGAAGCATATCGGACCCAGAACCGCTTCT  
 CAACTCTGAGATCCACCAGGTCACCAAGATCTGGAGGAAGGTGGCGGAGAAGGAGAAAGCCCTGCTGACC  
 AAGTGCAGCTACCTGCAAGCCAGGAACTGCCAGGTAGAAAGCAAGTACCTGGCCGGGCTTCGGAGGCTGC  
 AGGAGGCAGCAGGAGCCAGGCTGGTGACTTCCCTGAGCTGCTGCAGCAGCTGATCCAGGAGGCCCTGCA  
 GTGGGAAGCCGGAGAGGGGACAGCGTGGGGCTGAGCCCCGTGAGCGAGTACGACGACTATGGCTTCTCTG  
 ACGGTGCCAGACTACGAGATGGAAGACCTAAAAGTCTAGCCAAGATCCAGGCCCTGGAGGTGCGCTCCC  
 ACCACCTGCTGGCCACGAGGCTGTGGAGAGGCCACTACGGGACCGCTGGGCTACCTGACGGAGCTCAC  
 GCCCTCAGCTGAGCTCAAGCAGCTGCTTCGGGCAGGGGTGCCCCGAGAGCACCGTCCCCGAGTCTGGAGG  
 TGGCTGGTCCACCAGGCTGTCAGGCACCTGCAGGCTCCCGGCTGTACCAAGAGCTTCTAGCCCGGGGCC  
 GGGCATGTGAGCATCTCGCGGCTCGTCAGATCGAGCTGGACCTCAACCGGACCTTCCCCACCAACAAGCA  
 CTTACCTGCCGACCTCCAGTTTCCCTGACAAGCTCCGTCCGGTGTCTTGGCCTTCTCCTGGCAGAAC  
 CCCACATTGGCTACTGCCAAGGCTGAACAGGCTGGCGGCCATCGCCCTGTTGGTCTAGAAAGATGAGG  
 AGAGTGCCTTCTGGTGCCTGGTGCCATTGTGGAGACCACTGCGCGGCTGAGTACTACAGCAAGACT  
 GACTGCATCCCAGGTGGACCAGCGGGTGTCTCAGGACCTCCTCTCGGAGAAGCTGCCCCGACTGACTGCG  
 CACCTGGGGCAGCACCGTGTAGACCTCTCTCATCACTTTCAACTGGTTCCTCGTGGTCTTCGCGGACT  
 CTCTCATCAGTGACATCCTCCTGCGGGTCTGGGATGCCTTCTGTATGAAGGGACCAAGGTGGTGTCCG  
 ATATGCTCTGGCCATCTCAAGTACAATGAGGAAGCGATCCTGCAACTCCAGGACAGCCTGGAGATCTAC  
 CAGTACCTGCGTTTCTTACCAAGACCATCTGCGACAGCCGGAAGCTCATGAGCATAGCCTTCAATGACA  
 TGAACCCATTTCCATGAAGCAACTGCGGCAGCTGCGGGCAGCCACCGAGAGCGACTGGAGGCGGAGCT  
 GCGCGAGCTAGAGCTGCTGAAAGTGGAGTACTTGACAGAGACGGGCATCCCTGGGCAGAGCACCGCCAGAG  
 GGCTGCGTCAGCGAGGACGAAGGAGAAGGCGACAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	NM_198664
<b>Insert Size:</b>	2769 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>	<a href="#">NM_198664.3</a> , <a href="#">NP_941066.3</a>
<b>RefSeq Size:</b>	4305 bp
<b>RefSeq ORF:</b>	2769 bp
<b>Locus ID:</b>	381605
<b>UniProt ID:</b>	<a href="#">B1AVH7</a>
<b>Cytogenetics:</b>	4 B1
<b>Gene Summary:</b>	Acts as GTPase-activating protein for RAB7A. Signal effector acting as a linker between RAC1 and RAB7A, leading to RAB7A inactivation and subsequent inhibition of cadherin degradation and reduced cell-cell adhesion (By similarity).[UniProtKB/Swiss-Prot Function]