

## Product datasheet for **MC220487**

### **Tbc1d14 (NM\_133910) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d14 (NM_133910) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d14
Synonyms:	2810413P16Rik; AU043625; C86258; D5Ertd110e; mKIAA1322
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220487 representing NM\_133910  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACTGATGAAACCTTCCACCTCGATGAATGGTGTAGCATTGATGGGCATCCTAGATGGTCCGCAAG  
 GAGACTCCCTTCAGGACCTACAACACCTTAGTATCAAGGCGGCTCCAGATCCCTTTCAGTGCCTGACTA  
 CGGACCTTCACTAAAACCTTGGTGCCTTGGAAAGATCGACACAGCCTTCAATCAGTGGACTCGGGCATTCT  
 ACCCTGGAGATTGGCAACCCAGAGCCTGTTCCCTGCAGTGTGGTCCATGTGAAGAGAAAGCAGTCTGAGT  
 CAGAGATCGTCCCGGAGCGGGCCTTCCAGAGTGCATGCCCGTCCGTCGTGCACACCCTCAGTCCCAC  
 CTGCAGCGAGCGGGAGCAGGTTGTGCGGAAGTCTCCACATTTCTAGGACAGGCTATGACTCAGTGAAA  
 CTCTACAGCCCCACCTCAAAGCCTTGAGCCGAAGTGACAATGTCTGTCTGCAGTGTGTCTAGTCTTG  
 GCACAGAGCTGTCAACTACGTTGTGGTGCAGCAATGAGGACATCTGGACCTCATGGTACGAGCAATTC  
 CAGCGCTATTGTACCCTGGAGAATGATGATGACCACAGTTTACTGACGTACCCTGAGCTCCATCAAT  
 GAAACCAGCGACTTACACCAGCAGGACTGTGTTGCTGAGACTGAGGAGGGGAGGAAATTGAAACTATTGC  
 ACCCATTAGTCACTTCTTTACAAGGAATTTGCTTGTAGAAAACAAAATGCAAGGCTTGATAGACAGAG  
 AGACTTGGGATGGAAGCTGTTTGGAAAAGTCCCACTCCGAGAGACTGCTCAGAAAAGATCAAAGAAGACC  
 CAGAAGGAATATGAAGACAAGGCTGGAAGACCGAGCAGGCCACCTCTCCCAAGCAGAATGTGAGGAAGA  
 ACCTGGATTTTGGCCACTGTCCACCACGGCGCTCATCTCGAGGACAGACCTGCAAACTCTCCAGCCAA  
 GCCAGCTGAAGAAGCTCAAAGCACAGACAGCAGTATGAAGAGATGGTGTGCAGGCCAAGAAACGAGAG  
 CTTAAAGAAGCCAGCGTCGGAGGAAGCAGCTGGAGGAAAGTGAAGGTTGAAGAGAGCATTGGGAACG  
 CTGTCCTCACCTGGAACAATGAGATCTTGCCCTAACTGGGAAACCATGTGGTGTCTAAGAAGGTTGAGA  
 CTTGTGGTGGCAGGGAATCCCTCCGAGTGTAAAGGGCAAAGTTGGAGCTTGGCCATTGGCAACGAGTTG  
 AACATCACTCACGAGCTCTTTGACATCTGTCTTGTCTCGGGCCAAGGAGCGGTGGCGGTCCCTCAGCACTG  
 GAGGCTCAGAAGTGGAGAATGAAGATGCTGGGTTTTAGCAGCAGACAGAGAGGCCAGTCTGGAGCTTAT  
 TAAACTGGACATTTCTAGAACATTTCTAATCTCTGCATTTTCCAGCAAGGTGGTCCGTATCATGACATG  
 TTGCACAGTATTTGGGCGTTACTTGTACCAGCGGATGTGGGTTATGTTCCAGGCGATGCTCTTTA  
 TAGCTGCAGTGTGATCTGAACCTCGATACTGCAGATGCCTTTATTGCTTTTTCTAATCTTTTGAATAA  
 ACCCTGTCAAATGGCGTTTTTCCGAGTGGACCATGGCCTTATGTTGACTACTTTGCTGCATTTGAGGTA  
 TTCTTTGAAGAAAACCTGCCGAAATGTTTGGCATTTCAGAAAACAACCTAAGTGCAGATATCTACC  
 TAATCGATTGGATTTTACCTTGTACAGTAAGTCCCTGCCCTTGGACTTGGCCTGCCGATCTGGGACGT  
 ATTCTGTGAGATGGAGAGGAATTTCTTCCGCACAGCTCTGGGCATCCTGAAGCTTTTGAAGATATC  
 CTGACCAGGATGGACTTCATCCACAGTCCAGTGGCCTTGTGACCAGGCTGCCTGAGGACCTGCCCGCAGATG  
 AAGTGTGTCAGCTATCTCCACAGTCCAGATGCAAAGCCGGAACAAGAAATGGGCACAGGTGCTGTCTGC  
 ACTGCAGAAAAGACAGCCGGGAGATGGAGAAAGGAAGCCATCCCTCAGACACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_133910

**Insert Size:** 2085 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).

<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_133910.3</a></u> , <u><a href="#">NP_598671.3</a></u>
<b>RefSeq Size:</b>	4602 bp
<b>RefSeq ORF:</b>	2085 bp
<b>Locus ID:</b>	100855
<b>UniProt ID:</b>	<u><a href="#">Q8CGA2</a></u>
<b>Cytogenetics:</b>	5 19.15 cM
<b>Gene Summary:</b>	Negative regulator of starvation-induced autophagosome formation.[UniProtKB/Swiss-Prot Function]