

## Product datasheet for **MC221120**

### **Tbc1d25 (NM\_001166437) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d25 (NM_001166437) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d25
Synonyms:	6330576A08Rik; DXHXS7927e; Oat11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221120 representing NM\_001166437  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAATCCGGAAGTAACTGCCAAAACAACGGCGCCACGGACCGGCCAGGCAGGACCTGGACAGGCACT  
 TACACACAGGCAGTAAAAAGACGACAGCGGGGATGGCAACCACCTCCGCGGCCCTCGGACTCGGCGTG  
 CTCGGCAGCGCCCCGCCGTCGGAGGTGCCAGGCGGCCGCGCGGTTGAGGAGGAGGAGCGTGAGGTG  
 GTACGGGTCCGAGTCAAGAAATGTGAGAGCTTCTTGTCGCCCTGAGTTCGCTCTTTTGGCGTGGATCCTC  
 AGATCACCTCGCTGGACGTGTTGCAGCACATCCTCATCCGAGCCTTTGACTTAAATGGGAAGAAGAACTT  
 TGGCATCAGTACCTGGCTCGAGACCGGTAGGACAGGAACTTCTCTCCCTCTTTCTGATTGGGAC  
 CTCAGCACAGCTTTCGCCACTGCCTCAAACCTTATCTGCAGTTGCGTGTAGACATTCGGCCCTCAGAGG  
 ACAGCCCATTGCTGGAAGACTGGGACATAATTAGCCCCAAGATGTCATTGGATCTGATGTGCTACTGGC  
 TGAGAAGCGATCATCACTGACGACAGCTGCCTTGCCCTTTACACAGTCCATCCTCTCAGTGGGTGCT  
 AACTGTCTAAGGTCCAGCAGGTGCTGAGTTGGTCTTATGGGGAAGATGTGAAGCCTTTTAAAGCCCCC  
 TGAGTGATGCTGAGTCCACACGTACCTGAATCATGAAGGTCAGCTCTCCCGGCCTGAGGAGTTGCGTTT  
 GAGGATCTACCACGGCGGTGTGGAGCCTTCACTTCGAAAAGTAGTATGGCGGTACCTCCTAATGTGTAC  
 CCAGATGGGCTGACTGGCCGTGAGCGGATGGACTACATGAAACGTAAGAGCCGAGAGTACGAGCAGCTCA  
 AAAGTGAGTGGGCCAGCGAGTGAACCTGAGGACCTGGAATTCATCCGACGACAGTCTCAAGGATGT  
 GCTCCGCACAGACCGAGCCATCCCTACTACGAGGGCCTGAGGATGGCCACACCTACGGGCCCTACAC  
 GACTTGCTCACCACCTATGCCGTTACCCATCCACAGGTATCATACTGCCAGGGGATGAGTGACCTGGCCT  
 CACCAATTTGCTGTGCATGGACCATGAAGGCCATGCCTTTGTATGCTTCTGTGGCATGAAGCGCTT  
 AGCTGCCAACTTCCACCCTGATGGCCGTGCCATGGCCACCAAGTTTGGCCACCTCAAGCTGCTATTGAGA  
 CATGCTGACCCAGACTTCTATCAGTACCTGCAAGAAGCAGGTGCCGATGACCTCTTTTTCTGTTACCCT  
 GGCTGCTGCTGGAGCTCAAGCGTGAATTCGCTTCGATGATGCTCTCCGAATGCTAGAAGTACCTGGAG  
 TTCCTGCCCCCTGACCCTCCTGAACACGAAGTGGAGCTCGTCGGACCTCCAGCCAAAGTACGAGACT  
 GGCTTTGGTAGCCACAGGGGACGGCCAGTACGTCAGAGGCACATGCTGAGGCTGCTGGTGGAGGAGCG  
 GTGCTTTTGAAGATGCTGTTGTCCACTTAGCTGCATCTAGCCAGGGACCTAGTGGTGGGGGGCTCTCT  
 AAGACAAGCCAGTCTGGATGGTCTCCAACAACCTCAGGGATAACATGGGCCTCAGGAAGGACCATCTGGT  
 CAACTATCCCACCCAGTACCCTCATTAGCTCTAAGTCCCTCTCTGAGCCCTTGTGAATCCCCAGATC  
 CACTCCTCTCACCTCTTCTCGGCCGATTCCCCATCTTCGTATCTCCTCCATCTACCCAGGAGGCTTC  
 TCCTTCTGGTGACATAGCTGTAGGATCCCCCTAATGCAAGAGGTAGGTTCTCCAGAGACCTGGGAAG  
 CCTGTACCACCTCCACCTCCAATGGGCCTTCCCCACCCAGGAGTTTGGCCGAGGGAACCCATTATGC  
 TCTTCTCTGCTTGGCTATCCTGCTGGAGCATCGTGACCACATCATGCGCAATGGGCTGGATTACAAATGA  
 GCTAGCCATGCATTTGACCGCCTGGTTTCGTAACACCATCTAGGGCGTGTCTTGCCTAGGGCCAAAGCA  
 CTCTTTGCTGATTACCTACAGTCTGAAGTGTGGGACTCTGAGGAGGGGCTGAGGCCACAGCTCCATCTT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001166437

**Insert Size:** 2172 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_001166437.1</a></u> , <u><a href="#">NP_001159909.1</a></u>
<b>RefSeq Size:</b>	2452 bp
<b>RefSeq ORF:</b>	2172 bp
<b>Locus ID:</b>	209815
<b>UniProt ID:</b>	<u><a href="#">A1A5B6</a></u>
<b>Cytogenetics:</b>	X 3.69 cM
<b>Gene Summary:</b>	<p>Acts as a GTPase-activating protein specific for RAB33B. Involved in the regulation of autophagosome maturation, the process in which autophagosomes fuse with endosomes and lysosomes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks a portion of the 5' UTR and 5' coding region and initiates translation at alternate upstream start site, compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct N-terminus when it is compared to isoform 1.</p>