

## Product datasheet for **MC221451**

### **Tbc1d30 (NM\_029057) Mouse Untagged Clone**

#### Product data:

|                           |                              |
|---------------------------|------------------------------|
| Product Type:             | Expression Plasmids          |
| Tag:                      | Tag Free                     |
| Symbol:                   | Tbc1d30                      |
| Synonyms:                 | 4930505D03Rik; 9530013E20Rik |
| Mammalian Cell Selection: | Neomycin                     |
| Vector:                   | pCMV6-Entry (PS100001)       |
| E. coli Selection:        | Kanamycin (25 ug/mL)         |



Fully Sequenced ORF:

>MC221451 representing NM\_029057

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCGGCAAGACAACTGACCGGCTCCCTGCGTCGCGCGGGCGATGCCTCAAGCGCCAGGGCGGCGGTG  
GCGTGGGCACCATCCTGAGCAATGTGCTCAAGAAGCGCAGCTGCATCTCGCGGACCGCGCCCGGTTGCT  
CTGCACCTTGGAGCCGGAGTTGATACAAATTGAAGTTCACACTTGAGCCTTCTTTGGGTCAAAATGGT  
TTTCAGCAGTGGTATGATGCTCTCAAGGCTGTGGCCAGACTGTCAACGGGGATACCAAAGGAATGGAGGA  
GAAAGGTTTGGTTGACCTTGGCGGATCATTATCTGCACAGTATAGCCATCGACTGGGACAAAACCATGCG  
TTTCACTTTCAATGAGAGAAGCAACCCGGATGACGACTCCATGGGAATTCAAATCGTCAAGGATCTGCAT  
CGCACGGGTGTAGTTCTACTGTGGCCAGGAGGCAGAGCAAGACAGGGTGGTACTAAAGCGGGTGTCTAT  
TGGCTTACGCCCGGTGGAACAAGAAGCTCGGGTACTGCCAAGGCTTCAACATCTGGCTGCCCTCATTCT  
GGAAGTGATGGAGGGCAACGAGGGGACGCGCTGAAGATTATGATTTATCTGATTGATAAGGTACTCCCC  
GAAAGCTACTTTGTCAATAATCTCCGGGCACTGTCTGTGGATATGGCTGTCTTCAGAGATCTCTTGAGAC  
TGAAGTCTCCCGAGCTGTCTCAGCACCTCGACACACTTCAGAGAACGGCGAACAAGAGAGCGGAGGCGG  
ATACGAGCCCCGCTCACCAACGTCTTCAATGCAGTGGTTCTCAGCTCTTTGCCACGTGCCTCCCC  
AACCACACGGTTCTGAAGATCTGGGACTCCGTGTTCTTCAAGGTTTCAGAGATCATCTGAGGGTGTGCG  
TGGCCATCTGGGCAAGCTGGGAGAGCAGATAGAATGTTGCGAGACAGCAGACGAATTCACGGCACCAT  
GGGGCGCCTCACCCAGGAGATGCTGGAGCAGGATCTGTACAGAGCCATGAACTCATGCAGACCGTGTAT  
TCGATGGCCCCCTTCCCGTTCGCCAGTGGCAGAGTTGAGGGAAGATACCTATAACATCACACCGT  
TTCCAGCCACGATTAAGCCCACTTCAGTTTCTGGGCGACACAGTAAGGCCAGAGATAGTGACGATGAGAA  
CGGCCCGGATGATGAGGATGCTGTTGCGAGTGGCGTGGGGTGCCTTGGACCGCTCAGTGGGCTCCTGGCA  
CCTGAACTGCAGAAGTACCAAAGCAGATTAAGAAGCGGACTGAGGAACAGACCCTCAGATCGAACAACA  
TCGAGAGCTGAGCCCAGGAGCCATCAATTCCTGTGCGAGTGAGTACCATGCAGCGTTCAACAGTATGAT  
GATGGAGCGGATGACCACGGACATCAACGCCCTGAAGCGGCAGTACTCCGAATTAAGAAGAAGCAACAG  
CAGCAGCTCCATCAGGTGTACATAAGGGCAGACAAAGGGCCGGTGACCAGCATCTCCCATCGCAGGCAA  
ATAGTTCTCCCGTGTATCAACACCTTCTTCTGGGAAAAAGATGAAATTAACAACAGAGCAGCCAAGAA  
TGCAGTGATCCACGTGCCAGGCCACCCAGGAGGAAAACTCTCTCCGTCCCCTATGAAGACATTAAGACA  
AAGCTCAACTCTCCATGGCGGACTCACATCCGAGTCCACAAAAGAACATGCCGAGGACCAAGAGTCATC  
TAGGCTGCGGAGACACGGTAGGGCTGATAGAAGAACAGAGTGAAGGCTGTAAAGGCCAGCAGCTTGGGGGC  
AGCCGAGGAGTTTCCCTCCGGTCGTACAGTAACAGCTCACAGTGAAGGCAGCAGCGGTGATGGTGATGGA  
GGCGGACGACTCCGAGGACGATCGAAGGGCAGTCTCCGGAGCCAGTGTGTTGGGGATGCTGACGTCGACG  
TGGTGCAGTTCAAGTGAATTAAGAAGCTTGGAACTGAACCAAAGGGATGCCGCGGCAGAAACGGAACC  
CAAGGTGCACCTTCCCTGCCAGCGGCACGCTTCAGAGTTAGCCGATGCCCTGGAGAAAACCAAGACTGCC  
ATCAAACCTTCTCCCGGAAGCACCTCAAAAACCCCATCTTCAGCCCCCTTCCAGTGTCAAGCCACTGC  
GAAAGTCAGCCACGGCCAGGAATTTGGGTTATATGGCCCCACAGAAAGAACCCCAACGTGCACCTTCCC  
TCAGATGAGCAGGGGCTTCAACAAGTCCGGCATTGGGAACAGCAGCACCAGAAGCGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM\_029057

Insert Size:

2301 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <a href="#">NM_029057.1</a> , <a href="#">NP_083333.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq Size:</b>           | 5713 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2301 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 74694                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <a href="#">Q69ZT9</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 10 D2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Summary:</b>          | <p>GTPase-activating protein (GAP) with broad specificity. Acts as a GAP for RAB3A. Also exhibits significant GAP activity toward RAB22A, RAB27A, and RAB35 in vitro (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p>                                                                                                                                                                                                                                                                                        |