

Product datasheet for **MC218617**

Tbc1d17 (BC017607) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tbc1d17 (BC017607) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tbc1d17 |
| Synonyms: | MGC27642 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

Fully Sequenced ORF: >BC017607
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGATCCAGCTACAGGGTGGTGTGGAAAAGGGAGGCGTGTACCTGCACACCAGCGCCCGAAAC
 ACCAGGATCCAGACTCGCTCATCGCCGGCGTCATACGAGTGGTGGAAAAGGACAGCGACGCTTTCTGCA
 CTGGGCTCCGGTGGAGGAGGCTGGAGACCAACCCAGATTCTCTTCAAGAAGGACCCGAGTCGGGGTGAG
 CCCAGCACCTCAGAGGAGGAACCTACCTTTGACCCAGGCTATGAACCTGACTGGGCTGTATTAGCACGG
 TGCGGCCACAGCCACCTGGCAGAGCCAGGAAAGGTGCAGAGCCAGTTCTCCCGGAGCTCTGGGC
 CTTCTCCGTGAGCCTGGGGAGCTCAAGTCCATCCGCAGATCCAAGCCAGGCCTCAGCTGGGCTACCTG
 GTCCTGGTGACCCAGGCTGGAGGCTCCCTGCCTGCCTTACTTTACAGAGGGGGTACCCGAGCCCTGC
 TCCGAGCTCTTAGCCGATACCTGCTGTTGGCCAGCTCTCCACAGGACTCCCGCCTCTACTGGTCTTCCC
 CCAGGACCCTCTGCCCTGTCCGACTCCTCCACCACCTGCAGCTCTTTGACCAGGACAGCTCCAATGTG
 GTGTCTCGTTTCCCTTACGACCCCTACTCCACCACCTTCAAGTAGCTTCTCTCGAGTGACCAACTTCTCC
 GGGGAGCCCTACAGCCGACCCCTGAGGGCGCCTCTCCCTAACCTACCCCGCTGCCAGATGATGAACC
 AGAGCCTGGCTTTGAGGTCATTTCTGCGTGGAGCTGGGGCAGCGTCCCACAGTGGAGCGTGCTCTCCA
 GTCACAGAGGAAGAGTGGAAACCGCTACGTGGGCCCCGAGGGTCCGCTGCAGAATGTCCCTGAGTTGAAA
 ACCGGATCTTCTCAGGCGGTCTCAGCCCTGGCCTACGTCGAGAGGCTTGGAAAGTCTTCTGGGGTACCT
 TAGCTGGGAGAGCTCAGTGAAGAGCACAAAGGCGCATGTGCGGAAGAAAACGGATGAGTACTTCCGAATG
 AAGCTGCAGTGGAAAGTCTGTGAGTGTGAGCAGGAGCGGAGGAACTCACTGCTGCATGGATACCGAAGCC
 TCATTGAGAGAGATGTAAGCCGACGGACAGGACTAACAAGTTCTATGAAGGCCCTGAGAACCCCTGGGCT
 GAGCCTGCTCCATGATATCCTTCTTACCTACTGCATGTACCCTTCGACTTGGGCTACGTTACGGGTATG
 AGTGACCTCCTGTCCCGATCCTCTTCTGTTGTTGAGAAGAGTATGATGCCTTCTGGTGTCTGCGGCT
 TCATGGAACCTGTGCATGGAACTTTGAAGAGAGTCAAGGAGACTATGAAGCGGCAGCTTGGGCAGCTCCT
 GCTGCTTCTGCGGGTGTGGATCAGCCACTCTGTGATTTCTGGATTCTCAGGACTCGGGCTCGGTGTGC
 TTCTGTTTCCGGTGGCTGCTCATCTGGTTCAAGAGGGAATCCCTTTCTGATGCTCCTCCGGCTGTGGG
 AGGTGGGCGGCCAGTTGGGGTGTGTGGACAGGGCTTCTGGCCCAATTTGCACCTGCTGGTGGCCTGT
 GCCATCTGGATATGGAACGGGACACCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC017607

Insert Size: 1641 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).

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [BC017607](#), [AAH17607](#)

RefSeq Size: 2376 bp

RefSeq ORF: 1640 bp

Locus ID: 233204

Cytogenetics: 7 B3

Gene Summary: Probable GTPase-activating protein for Rab8; its transient association with Rab8 is mediated by OPTN. Inhibits Rab8-mediated endocytic trafficking, such as of transferrin receptor (TfR) and reduces Rab8 recruitment to tubules emanating from the endocytic recycling compartment (ERC). Involved in regulation of autophagy. Mediates inhibition of autophagy caused by the OPTN variant GLC1E LYS-50; the function requires its catalytic activity, however, the involved Rab is not known (By similarity).[UniProtKB/Swiss-Prot Function]