

Product datasheet for **MC220123**

Tbc1d17 (NM_001042655) Mouse Untagged Clone

Product data:

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



Fully Sequenced ORF:

>MC220123 representing NM_001042655
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAAGGATCCAGCTACAGGGTGGTGTGTTGAAAAGGGAGGCGTGTACCTGCACACCAGCGCCCGGAAAC
 ACCAGGATCCAGACTCGCTCATCGCCGGCGTCATACGAGTGGTGGAAAAGGACAGCGACGTCTTTCTGCA
 CTGGGCTCCGGTGGAGGAGGCTGGAGACCAACCCAGATTCTCTTCAAGAAGGACCCGAGTCGGGGTGAG
 CCCAGCACCTCAGAGGAGGAACCTACCTTTGACCCAGGCTATGAACCTGACTGGGTGTCTATTAGCACGG
 TGCGGCCACAGCCCCACCTGGCAGAGCCCAGGAAAGGTGCAGAGCCAGTTCCTCCCGGAGCTCCTGGGC
 CTTCTCCGTGAGCCTGGGGGAGCTCAAGTCCATCCGACATCCAAGCCAGGCCCTCAGCTGGGCCTACCTG
 GTCCTGGTGACCCAGGCTGGAGGCTCCCTGCCTGCCTTACACTTTACAGAGGGGGTACCCGAGCCCTGC
 TCCGAGTCTTAGCCGATACCTGCTGTTGGCCAGCTCTCCACAGGACTCCCGCCTCTACTTGGTCTTCCC
 CCAGGACCCCTCTGCCCTGTCCGACTCCTTCCACCACCTGCAGCTCTTTGACCAGGACAGCTCCAATGTG
 GTGTCTCGTTTCCTTACAGACCCCTACTCCACCACCTTCAGTAGCTTCTCTCGAGTGACCAACTTCTTCC
 GGGGAGCCCTACAGCCGCACCTGAGGGCGCCTCCTCCCTAACCTACCCCGCTGCCAGATGATGAACC
 AGAGCCTGGCTTTGAGGTCAATTTTGGCTGGAGCTGGGGCAGCGTCCACAGTGGAGCGTGCTCCTCCA
 GTCACAGAGGAAGAGTGAACCGCTACGTGGGCCCCGAGGGTCGCTGCAGAATGTCCTGAGTTGAAAA
 ACCGGATCTTCTCAGGCGGTCTCAGCCCTGGCCTACGTGAGAGGCTTGGAAGTTCTTCTGGGTACCT
 TAGCTGGGAGAGCTCAGCTGAAGAGCACAAGGCGCATGTGCGGAAGAAAACGGATGAGTACTTCCGAATG
 AAGCTGCAGTGAAGTCTGTGAGTGTGAGCAGGAGCGGAGGAACCTCACTGCTGCATGGATACCGAAGCC
 TCATTGAGAGAGATGAAGCCGCACGGACAGGACTAACAAGTTCTATGAAGGCCCTGAGAACCCTGGGCT
 GAGCCTGCTCCATGATATCCTTCTTACCTACTGCATGTACCACTTCGACTTGGGCTACGTTACGGGTATG
 AGTGACCTCCTGTCCCCGATCCTCTCGTTGTTTCAAGACGAAGTAGATGCCTTCTGGTGTCTCGCGGT
 TCATGGAACCTGTGCATGGGAACCTTGAAGAGAGTCAAGGAGTATGAAGCGGAGCTTGGGAGCTCCT
 GCTGCTTCTCGGGTGTGGATCAGCCACTCTGTGATTCTCGGATTCTCAGGACTCGGGCTCGCTGTGC
 TTCTGTTTCCGGTGGCTGCTCATCTGTTTCAAGAGGGAATCCCCCTTCTGATGTCTCCGGCTGTGGG
 AGGTGCTGTGGACAGGGCTTCTGGCCCCAATTTGCACCTGCTGGTGGCCTGTGCCATCTTGGATATGGA
 ACGGGACACCTGATGCTGTCTGGCTTTGGCTCCAATGAGATCCTTAAGCACATCAATGAATGACCATG
 AAGCTGAGTGTGGAGGATGTGCTGACACGGGAGAGGCTCTGTACAGGCAGCTGACGGCCTGCCAGAGC
 TGCCACACAATGTGAGGAGATCCTGGGGCTGGCAGCCAGAAAGAGCCTAGTAGCCATCTCCTCCGGT
 ATCTCCGATGCCCTTGTACCTACTCGGGCCCCGTTGCCCCCGCCGCTGCCTGAGGAAGTATCCCGCAG
 CCTGACAGCAGTCTTGAGATTCTGCCTGAGGACGAGGATGGCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001042655

Insert Size:

1938 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001042655.1</u> , <u>NP_001036120.1</u>
RefSeq Size:	2601 bp
RefSeq ORF:	1938 bp
Locus ID:	233204
UniProt ID:	<u>Q8BYH7</u>
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]