

Product datasheet for **MC224034**

Tbc1d4 (NM_001081278) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbc1d4 (NM_001081278) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tbc1d4
Synonyms: 5930406J04Rik; A930035N22; As160; AV295684
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224034 representing NM_001081278
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCGCCTAGCTGCATTAGGATGAGCCTTTCCCGCACCCCTGGAGCCTGAGCCGAGTGCCCCAG
CACAGCCAGGTGCCACCAAGCCTGGCGACAAGCGCTTCCGGCTATGGTACGTGGGAGGTCTTGCTTGA
TCGCAGGACCACGCTACCCATGCTCCCTTGGCTCATGGCCGAGATCCGTGGCGCAGCCAGAAGCCCGAT
CGGGCGGCTGCGGGGCGCCCGCAGCCCGGAGGTGATCCTGGTCTCAGCGCCCTTTCTGCGTTGTG
TCCTTGCCTGGGTGCCGGGTGCGGGGGCGCAGGCTCCGGGGCTGTGCAGCCCAACACCGGGGTGTT
CATCTTCGAGCACAAGGCTCAGCACATCTCGCGTTTATCCACAACAGTCACGACCTCACCTACTTTGCC
TATTTGATCAAGGCGCAGCCGACGACCCGAGTCACAGATGGCCTGCCACGTTTTCCGCGCCACGGATC
CTAACCAGGTTCCAGATGTGATCAGTAGCATCAGGCAGTTATCCAAGGCTGCCATGAAGGAGGACTCCAA
ACCCAGCAAAGATAACGAGGATGCCTTCTACAACCTCAGAAATTCGAAGTGCTTACTGTGGGCGGGTG
ATCGTGACCCATAAGAAGGCGCCCTCCAGCCTCATTGATGACTGCAAGGACAAGTTCAGCCTGCATGAGC
AGCAGCGACTGAAGCTGCAAGGCGAGAGAGGTGGTGACCCTGGCGACGAGATGGGTGCTCCTTAGGTGCA
GTCTCCTGTGTCTCCAGATGACAGCCTGCCGAGAAGGCAGATGGTACAGTCAACAGCCCGTGCCTG
CCCTCTCTGGCTAGCCTTCTGCCTTGGCCAGCCAACCCGCACTAGCCAGCTCTCGGTTTTGCTTCCAG
AGAGGATTTTGAAGACTGTGGCTTTGACGAGCAGCAAGAGTTCCGATCTCGGTGCAGCAGCGTACAGG
CGTCATGCAAAAGAAGGTTTCATGAGAACAACAGAAAACAGCCAAGAAGGAGGACGCGAGCGCGCCC
AGTCACGTGCAGCCCTCAGACTCGGAGAAGAATCGGACCATGCTCTTCCAGGTGCGCCGCTTTGAGATTA
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GGGAATAAAGCATGTTGATCACTTTGGCTTATCTGTGCGGAGTCTCCGGAGCCGGGCTGAGCCAGTAC
ATCTGTTATGTGTTCCAGTGCGCCAACGAATCTCTGGTGGATGAGGTCATGCTGACTCTGAAGCAAGCTT
TCAGCACGGCTGCTGCGCTGCAGAGTGCCAAGACGCAGATTAACCTGTGCGAGACCTGCCCATGCACTC
TTTGATAAGCTCTGTGAGAGAATCGAAGGTCTTACCCACCTCGAGCCAAGCTGGTAATCCAGAGGCAC
CTCTTTCGCTGACGGATAACGAGCAAGCTGACATCTTTGAACGGGTTGAGAAGATGAAGCCCATCAGCG



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ACCAGGAGGAGAACGAACCTGTGATTCTGCACCTGAGGCAGCTCTGTGAAGCCAAGCAGAGGACCCACGT
GCACATCGGGGAAGGCCGGCGATTATTTCAAATAGTACAATCCCAGAAAATGTGACAAGCGGTGGGAGG
TTCAAGCTTGATGTTCTGAAAAACAAAGCGAAGAGATCCTTAACCTCCTCCCTGGAAAATATCTTCTCCA
GGGAGCTAACAGGATGAGAGGTTCGGCTTGAAGTATGGACAGCTTTGAACGCGCCAACAGTCTTGCCCTC
AGAGAAGGACTTCTACCAGGGGACTCTCCTCCTGGGACACCGCCAGCCTCCCCACTGTCTCCGCTGG
CACCCTTCCCAGAGGAGACTCCGACTCTCCACAGTCCGAAGACGGGCTCACACATTCAGCCATCCAC
CTTCAAGTTCAAGGAGGAAGCTGAACCTTGAAGATGGCAAGGCCACGGCTCCCTCCTACTGAG
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AGCAAATCCTGCTGCTTGAAGGAGGAAAACAGAACTGGAAGCAAGAAGAGATGAGCTCCAATC
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CAACAAACACCAGCCTCCAGACACCTCCTATAAGGAGCTTTTGAAGCAGCTCACTGCTCAGCAGCAGCC
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TGTCCTCTTTAACCTGCTGAAAGCCTACTCTCTGCTGGACAAAGAGGTAGGCTACTGTCAGGGCATCAG
CTTTGTGGCCGGAGTCTGCTTCTGCACATGAGTGAAGAGCAAGCCTTTGAAATGCTCAAGTTCTAATG
TACGACCTGGGCTTCCGAAAGCAGTACCGACCGGATATGATGTCACCTTCAAGTTCAAGTTCTAAGTT
CCAGACTCCTTCATGACTACCACCGAGAAGTCTACAATCATCTTGAGGAAAATGAGATCAGCCCCAGTCT
GTACGCTGCTCCCTGGTTCCCTCACACTTTTGCCTCTCAGTTTCCCTTAGGATTCTGAGCAGGATTTT
GATATTATTTTCCCTTCAAGGAAGTGAAGTTATATTCAAGGTTGCTCTCAGCTTACTGAGCAGCCAGGAGG
CACTTATAATGGAGTGTGAAAATTTGAAAATATTGTTGAATTTCTCAAAGTACATTACCTGATATGAA
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GAGGTAGAATATCACGTGCTGCAGGATGAGCTGCTAGAATCTTCTATGCCTGTGAGGACAATGAATCTC
TGGAGAAGCTGGAGAGGCAACAACCAATTGAAAAGACAGAACATGGACCTCTTGGAAAACTCCAGGT
GGCTCATGCTAAAATTCAGGCCTTGAATCCAACCTAGAACTCTTTTGACCAGAGAAAACAAAATGAAG
GCTTTAATCCGGACCCTGGAACAAGATAAAATGGCATATCAAAGACAGTGAACAGATCCGGAAGCTGC
TACCAGCAGATGCGCTGGCCAAGTGAATTGCTGTTGAAAGACTTAACTCATCCAACGAATGACAAAGC
CAAGGCAGGAAATAAGCCATAG
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001081278

Insert Size:

3732 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: [NM_001081278.2](#), [NP_001074747.2](#)

RefSeq Size: 6641 bp

RefSeq ORF: 3732 bp

Locus ID: 210789

UniProt ID: [Q8BYJ6](#)

Cytogenetics: 14 E2.3

Gene Summary: May act as a GTPase-activating protein for RAB2A, RAB8A, RAB10 and RAB14. Promotes insulin-induced glucose transporter SLC2A4/GLUT4 translocation at the plasma membrane, thus increasing glucose uptake (By similarity).[UniProtKB/Swiss-Prot Function]