

Product datasheet for MR219269

Tbc1d4 (NM_001081278) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbc1d4 (NM_001081278) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tbc1d4
Synonyms: 5930406J04Rik; A930035N22; As160; AV295684
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219269 representing NM_001081278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCGCCTAGCTGCATTCAGGATGAGCCTTTCCCGACCCCTGGAGCCTGAGCCGAGTGCCCCAG
 CACAGCCAGGTGCCACCAAGCCTGGCGACAAGCGCTTCCGGCTATGGTACGTGGGAGGGTCTTGCTTGA
 TCGCAGGACCACGCTACCCATGCTCCCTGGCTCATGGCCGAGATCCGTCGGCGCAGCCAGAAGCCCGAT
 GCGGGCGGCTGCGGGGCGCCCGCAGCCCGGAGGTGATCCTGGTGCTCAGCGCCCTTTCTGCGTTGTG
 TCCCTGCGCCGGTGCCGGGGTGGCGGGGCGCAGGCTCCGGGGCTGTGCAGCCCAACACCGGGGTGTT
 CATCTTCGAGCACAAGGCTCAGCACATCTCGCGCTTCATCCACAACAGTACGACCTCACCTACTTTGCC
 TATTTGATCAAGGCGCAGCCCGACGACCCCGAGTACAGATGGCCTGCCACGTTTTCCGCGCCACGGATC
 CTAACCAGGTTCCAGATGTGATCAGTAGCATCAGGCAGTTATCCAAGGCTGCCATGAAGGAGGACTCCAA
 ACCCAGCAAAGATAACGAGGATGCCTTCTACAACCTCAGAAAATTCGAAGTGCTTTACTGTGGGCGGGTG
 ATCGTGACCCATAAGAAGGCGCCCTCCAGCCTCATTGATGACTGCAAGGACAAGTTCAGCCTGCATGAGC
 AGCAGCGACTGAAGTGAAGGCGAGAGAGGTGGTGACCTGGCAGCAGATGGGTGTCCTTGAGGTGCA
 GTCTCCTGTGTCTCCAGATGACAGCCTGCCCGAGAAGGACAGTGGTACAGTCAACAGCCCCCGTGCCCTG
 CCCTCTCTGGCTAGCCTTCTCTGCTTGGCAGCCAAACCCGACTAGCCAGCTCTCGGGTTGCTTCCCAG
 AGAGGATTTTGAAGACTGTGGCTTTGACGAGCAGCAAGAGTTCCGATCTCGGTGCAGCAGCGTCCAGG
 CGTCATGCAAAAAGGTTTCATGAGAACAACAGAAAACACAGCCAAGAAGGAGGACGCGAGCGCGCCC
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 ACCTCATCAGTCCCGACACTAAATCAGTCGTGCTGGAGAAGAATTTCAAAGATATCTCTCTTGTCTCA
 GGGAAATAAGCATGTTGATCACTTTGGCTTTATCTGTGGGAGTCTCCGGAGCCGGGGCTGAGCCAGTAC
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 TTTGCATAAGCTCTGTGAGAGAATCGAAGTCTCTACCCACCTCGAGCCAAGCTGTAATCCAGAGGCAC



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CTCTCTTCGCTGACGGATAACGAGCAAGCTGACATCTTTGAACGGGTTTCAGAAGATGAAGCCCATCAGCG
ACCAGGAGGAGAACGAACCTTGATTTCTGCACCTGAGGCAGCTCTGTGAAGCCAAGCAGAGGACCCACGT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR219269 representing NM_001081278
 Red=Cloning site Green=Tags(s)

MESPSCIQDEPFPHLEPEPSAPAQPGATKPGDKRFRLWYVGGSCLDRTTLPMLPWLMAEIRRRSQKPD
 AGGCGAPAAREVILVLSAPFLRCVPAPGAGVGGGAGSGAVQPNTGVFIFEHKAQHISRFIHNSHDLTYFA
 YLIIKAQPDPEPESQMACHVFRATDPNQVPDVISSIRQLSKAAMKEDSKPSKDNEDAFYNSQKFVLYCGRV
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 PSLASLALASSRVCFFPERILEDGCFDEQEFRRSSVTGVMQKVVHENNQKTQPRRRHASAP
 SHVQPSDSEKNRMLFQVGRFEINLISPDTKSVVLEKNFKDISSCSQGIKHVDHFGFICRESPEPGLSQY
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 LSSLTDNEQADIFERVQKMKPISDQEEENELVILHLRQLCEAKQRTHVHIGEGPAIISNSTIPENVTSGGR
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 HAFPEEDSDSPQFRRAHTFSHPSSRRKLNLDGKAHGLRSPLLRQSSSEQSDGEGRKRSTSTCSNE
 SLNAGGTPVTPRRVSWRQRIFLRVASPVNKSPSAMQQQKDGDRTELLPLSPLSPTMEEEPLIIFLSGDE
 DTEKVEEKKKSKELKSLWKAHQIQLLLRMEKENQKLEARRDELQSRKVKLDYEEVGTQCKEILIAWDK
 KLLNCRKIRCDMEDIHTSLKEGVPKSRIGEIQWFLALQYRLRHRLPNKHOPDTSYKELKQLTAQQAHA
 ILVDLGRFTFTHPYFSVQLGAGQLSLFNLLKAYSLLDKEVGYCQGISFVAGVLLLMSEEQAFEMLKFLM
 YDLGFRKQYRPDMMSLQIQMYQLSRLLDHYHRELYNHLEENIISPSLYAAPWFLTLFASQFPLGFVARVF
 DIIFLQGTVEIFKVALSLLSSQEALIMECENFENIVEFLKSTLPDMNTTEMKIITQVFEMDISKQLHAY
 EVEYHVLQDELLESSYACEDNESLEKLERANNQLKRQNMDDLEKLQVAHAKIQALESNLETLLTRETMMK
 ALIRTELDQKMAVQKTVEQIRKLLPADALANCELLKDLTHTNDKAKAGNKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9034_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

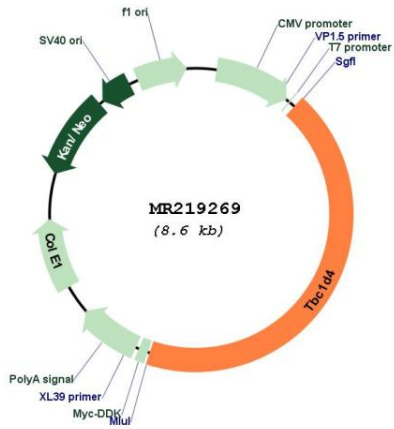


ACCN: NM_001081278

ORF Size: 3729 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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
MW:	140.8 kDa
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]

Product images:



Circular map for MR219269