

Product datasheet for **MR209982**

Tbc1d14 (NM_133910) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d14 (NM_133910) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbc1d14
Synonyms:	2810413P16Rik; AU043625; C86258; D5Ertd110e; mKIAA1322
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209982 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGCATCCTAGATGGTCGGCAAGGAGACTCCCTTCAGGACCTACAACACCTTAGTATCAAGGCGGCTC
CCAGATCCCTTTTCAGTGCCTGAATACGGACCTTCACTAAAACCTGGTGCTTTGGAAGATCGACACAGCCT
TCAATCAGTGGACTCGGGCATTCTACCCTGGAGATTGGCAACCCAGAGCCTGTTCCCTGCAGTGTGGTC
CATGTGAAGAGAAAGCAGTCTGAGTCAGAGATCGTCCCGAGCGGGCCTTCCAGAGTGCATGCCCTCGC
CGTCTGCACACCCTCAGCTCCACCTGCAGCGAGCGGGAGCAGGTTGTGCGGAAGTCTTCCACGTTTC
TAGGACAGGCTATGACTCAGTCAAACCTACAGCCCCACCTCAAAGCCTTGAGCCGAAGTGACAATGTC
TCTGTCTGCAGTGTGTCTAGTCTTGGCACAGAGCTGTCAACTACGTTGTCGGTCAGCAATGAGGACATCT
TGGACCTCATGGTCACGAGCAATTCAGCGCCATTGTGACCCTGGAGAATGATGATGACCCACAGTTTAC
TGACGTACCCCTGAGCTCCATCAATGAAACCAGCGACTTACACCAGCAGGACTGTGTTGCTGAGACTGAG
GAGGGGAGGAAATTGAAACTATTGCAACCATTCAGTCACTTCTTTACAAGGAATTTGCTTGTAGAAAAC
AAAATGCAAGGCTTGATAGACAGAGAGACTTGGGATGGAAGCTGTTTGGAAAAGTCCCACTCCGAGAGAC
TGCTCAGAAAAGATTCAAAGAAGACCCAGAAGGAATATGAAGACAAGGCTGGAAGACCGAGCAGGCCACCC
TCTCCCAAGCAGAATGTGAGGAAGAACCCTGGATTTTGGCCACTGTCCACCACGGCGCTCATCTCGAGG
ACAGACCTGCAAACTCTCCAGCCAAGCCAGCTGAAGAAGCTCAAAGCACAGACAGCAGTATGAAGAGAT
GGTGTGACAGGCAAGAAACGAGAGCTTAAAGAAGCCAGCGTCGGAGGAAGCAGCTGGAGGAAAGTTG
AAGGTTGAAGAGAGCATTGGGAACGCTGTCTCACCTGGAACAATGAGATCTTGCCTAACTGGGAAACCA
TGTGGTCTCTAAGAAGTTCGAGACTTGTGGTGGCAGGGAATCCCTCCGAGTGAAGAGGCAAAGTTTG
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GAGCGGTGGCGGTCCCTCAGCACTGGAGGCTCAGAAGTGGAGAATGAAGATGCTGGGTTTTGAGCAGCAG
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GCAAGGTGGTCCGTATCATGACATGTTGCACAGTATTTTGGGCGCTTATACTTGTACCGGCCGGATGTG
GGTTATGTTTCCAGGCATGTCTTTATAGCTGCAGTGTGATCTTGAACCTCGATACTGCAGATGCCTTTA
TTGCTTTTTCTAATCTTTTGAATAAACCTGTCAAATGGCGTTTTTCCGAGTGGACCATGGCCTTATGTT
GACTTACTTTGCTGCATTTGAGGTATTCTTTGAAGAAAACCTGCCGAAATTTGTTGCGCATTTCAGAAA
AACAACTTAACTGCAGATATCTACCTAATCGATTGGATTTTACCTTGTACAGTAAGTCCCTGCCCTTGG
ACTTGGCCTGCCGATCTGGGACGATTTCTGTGAGATGGAGAGGAATTTCTCTTCCGCACAGCTCTGGG
CATCTGAAGCTTTTTGAAGATATCCTGACCAGGATGGACTTCATCCACAGTGCCAGTTTCTGACCAGG
CTGCCTGAGGACCTGCCCGCAGATGAAGTGTGTCAGCTATCTCCACAGTCCAGATGCAAAGCCGGAACA
AGAAATGGGCACAGGTGCTGTCTGCACTGCAGAAAGACAGCCGCGAGATGGAGAAAGGAAGCCATCCCT
CAGACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209982 protein sequence
Red=Cloning site Green=Tags(s)

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MGILDGRQGDSLQDLQHLSIKAAPRSLVPEYGPSSLKGLAEDRHLSQVDSGIPTLEIGNPEPVPCSVV
HVKRKQSESEIVPERAFQSACPLPSCPTSPAPTCSEREQVVRKSSTFPRTGYDSVKLYSPTSKALSRSDNV
SVCVSSSLGTTELSTLVSNNEDILDMVTSNSSAIVTLENDDDPQFTDVTLSSINETSDDLHQDCVAETE
EGRKLLKLLQPFSHFFTRNLLARKQNARLDRQDLGWKLFQKVPPLRETAQKDSKKTQKEYEDKAGRPSRPP
SPKQNVNRKNLDFEPLSTTALILEDPRANLPAKPAEEAQKHRQQYEEMVLQAKKRELKEAQRRRKQLEERC
KVEESIGNAVLTWNNEILPNWETMWCSSKVRDLWWQGIPPSVRGKVVSLAIGNELNITHELFDICLAKAK
ERWRSLSLSTGGSEVENEDAGFSAADREASLELIKLDISRTFPNLCIFQQGGPYHMLHSILGAYTCYRPDV
GYVQGMSEIAAVLILNLDTADAFIAFSNLLNKPCQMAFFRVDHGLMLTYFAAFEVFFEEENLPKLFQAFKK
NNLTADIYLDWIFTLYSKSLPLDLACRIWDVFCRDGEEFLFRTALGILKLFEDILTRMDFIHSQAFLTR
LPEDLPADEVFAAISTVQMQRNKKWAQVLSALQKDSREMEKGPSLRH
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_133910

ORF Size: 2040 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:

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_133910.2](#)

RefSeq Size: 4602 bp

RefSeq ORF: 2085 bp

Locus ID: 100855

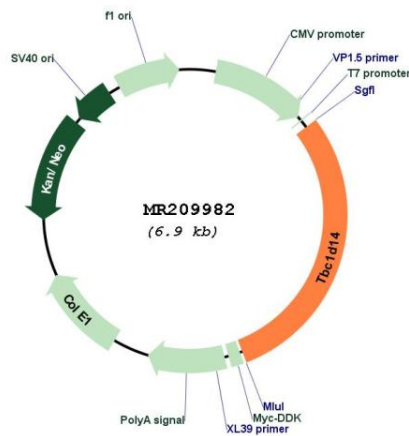
UniProt ID: [Q8CGA2](#)

Cytogenetics: 5 19.15 cM

MW: 76.8 kDa

Gene Summary: Negative regulator of starvation-induced autophagosome formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209982