OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR223536

Tbc1d14 (NM_001113362) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d14 (NM_001113362) 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)

View online »

ORF Nucleotide Sequence:

>MR223536 representing NM_001113362
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGCTTTATCTAGACCGCTTCTGGGGACTGATGGCAAAAGTTTCTTCTGGGACCAAGATGACTGATG
GAAACCTTTCCACCTCGATGAATGGTGTAGCATTGATGGGCATCCTAGATGGTCGGCAAGGAGACTCCCT
TCAGGACCTACAACACCTTAGTATCAAGGCGGCTCCCAGATCCCTTTCAGTGCCTGACTACGGACCTTCA
CTAAAACTTGGTGCTTTGGAAGATCGACACAGCCTTCAATCAGTGGACTCGGGCATTCCTACCCTGGAGA
TTGGCAACCCAGAGCCTGTTCCCTGCAGTGTGGTCCATGTGAAGAGAAAGCAGTCTGAGTCAGAGATCGT
CCCGGAGCGGGCCTTCCAGAGTGCATGCCCGCTGCCGTCGTGCACACCCTCAGCTCCCACCTGCAGCGAG
CGGGAGCAGGTTGTGCGGAAGTCTTCCACATTTCCTAGGACAGGCTATGACTCAGTGAAACTCTACAGCC
CCACCTCCAAAGCCTTGAGCCGAAGTGACAATGTCTCTGTCTGCAGTGTGTCTAGTCTTGGCACAGAGCT
GTCAACTACGTTGTCGGTCAGCAATGAGGACATCTTGGACCTCATGGTCACGAGCAATTCCAGCGCTATT
GTGACCCTGGAGAATGATGATGACCCACAGTTTACTGACGTCACCCTGAGCTCCATCAATGAAACCAGCG
ACTTACACCAGCAGGACTGTGTTGCTGAGACTGAGGAGGGGAGGAAATTGAAACTATTGCACCCATTCAG
TCACTTCTTTACAAGGAATTTGCTTGCTAGAAAACAAAATGCAAGGCTTGATAGACAGAGAGACTTGGGA
TGGAAGCTGTTTGGAAAAGTCCCACTCCGAGAGACTGCTCAGAAAGATTCAAAGAAGACCCAGAAGGAAT
ATGAAGACAAGGCTGGAAGACCGAGCAGGCCACCCTCTCCCAAGCAGAATGTGAGGAAGAACCTGGATTT
TGAGCCACTGTCCACCACGGCGCTCATCCTCGAGGACAGACCTGCAAATCTCCCAGCCAAGCCAGCTGAA
GAAGCTCAAAAGCACAGACAGCAGTATGAAGAGATGGTGCTGCAGGCCAAGAAACGAGAGCTTAAAGAAG
CCCAGCGTCGGAGGAAGCAGCTGGAGGAAAGGTGCAAGGTTGAAGAGAGCATTGGGAACGCTGTCCTCAC
CTGGAACAATGAGATCTTGCCTAACTGGGAAACCATGTGGTGCTCTAAGAAGGTTCGAGACTTGTGGTGG
CAGGGAATCCCTCCGAGTGTAAGAGGCAAAGTTTGGAGCTTGGCCATTGGCAACGAGTTGAACATCACTC
ACGAGCTCTTTGACATCTGTCTTGCTCGGGCCAAGGAGCGGTGGCGGTCCCTCAGCACTGGAGGCTCAGA
AGTGGAGAATGAAGATGCTGGGTTTTCAGCAGCAGACAGAGAGGCCAGTCTGGAGCTTATTAAACTGGAC
ATTTCTAGAACATTTCCTAATCTCTGCATTTTCCAGCAAGGTGGTCCGTATCATGACATGTTGCACAGTA
TTTTGGGCGCTTATACTTGTTACCGGCCGGATGTGGGTTATGTTCAGGGCATGTCCTTTATAGCTGCAGT
GTTGATCTTGAACCTCGATACTGCAGATGCCTTTATTGCTTTTTCTAATCTTTTGAATAAACCCTGTCAA
ATGGCGTTTTTCCGAGTGGACCATGGCCTTATGTTGACTTACTTTGCTGCATTTGAGGTATTCTTTGAAG
AAAACTTGCCGAAATTGTTTGCGCATTTCAAGAAAAACAACTTAACTGCAGATATCTACCTAATCGATTG
GATTTTCACCTTGTACAGTAAGTCCCTGCCCTTGGACTTGGCCTGCCGCATCTGGGACGTATTCTGTCGA
GATGGAGAGGAATTTCTCTTCCGCACAGCTCTGGGCATCCTGAAGCTTTTTGAAGATATCCTGACCAGGA
TGGACTTCATCCACAGTGCCCAGTTTCTGACCAGGCTGCCTGAGGACCTGCCCGCAGATGAAGTGTTTGC
AGCTATCTCCACAGTCCAGATGCAAAGCCGGAACAAGAAATGGGCACAGGTGCTGTCTGCACTGCAGAAA
GACAGCCGGGAGATGGAGAAAGGAAGCCCATCCCTCAGACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

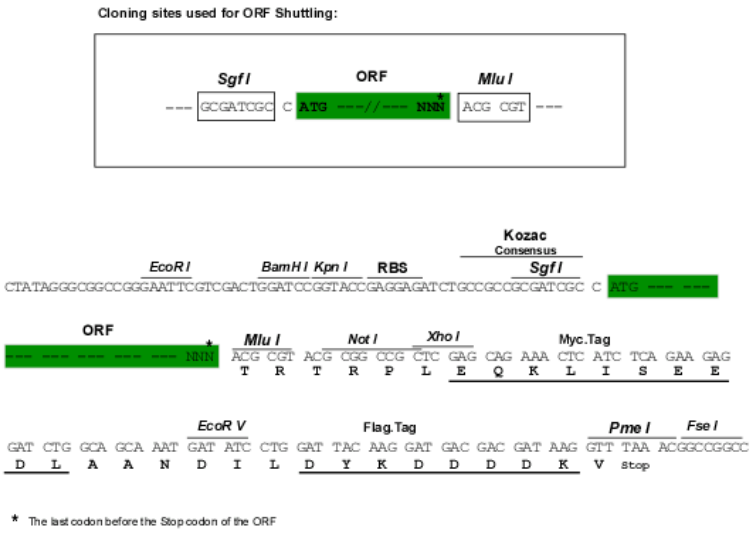
>MR223536 representing NM_001113362
Red=Cloning site Green=Tags(s)

MRLYLDRFWGLMAKVSSGTKMTDGNLSTSMNGVALMGILDGRQGDSLQDLQHLSIKAAPRSLSVPDYGPS
LKLGALEDRHSLQSVDSGIPTLEIGNPEPVPCSVVHVKRKQSESEIVPERAFQSACPLPSCTPSAPTCSE
REQVVRKSSTFPRTGYDSVKLYSPTSKALSRSDNVSVCSVSSLGTELSTTLSVSNEDILDLMVTSNSSAI
VTLENDDDPQFTDVTLSSINETSDLHQQDCVAETEEGRKLKLLHPFSHFFTRNLLARKQNARLDRQRDLG
WKLFGKVPLRETAQKDSKKTQKEYEDKAGRPSRPPSPKQNVRKNLDFEPLSTTALILEDRPANLPAKPAE
EAQKHRQQYEEMVLQAKKRELKEAQRRRKQLEERCKVEESIGNAVLTWNNEILPNWETMWCSKKVRDLWW
QGIPPSVRGKVWSLAIGNELNITHELFDICLARAKERWRSLSTGGSEVENEDAGFSAADREASLELIKLD
ISRTFPNLCIFQQGGPYHDMLHSILGAYTCYRPDVGYVQGMSFIAAVLILNLDTADAFIAFSNLLNKPCQ
MAFFRVDHGLMLTYFAAFEVFFEENLPKLFAHFKKNNLTADIYLIDWIFTLYSKSLPLDLACRIWDVFCR
DGEEFLFRTALGILKLFEDILTRMDFIHSAQFLTRLPEDLPADEVFAAISTVQMQSRNKKWAQVLSALQK
DSREMEKGSPSLRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001113362

ORF Size: 2142 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_001113362.1, NP_001106833.1

RefSeq Size: 4783 bp

RefSeq ORF: 2145 bp

Locus ID: 100855

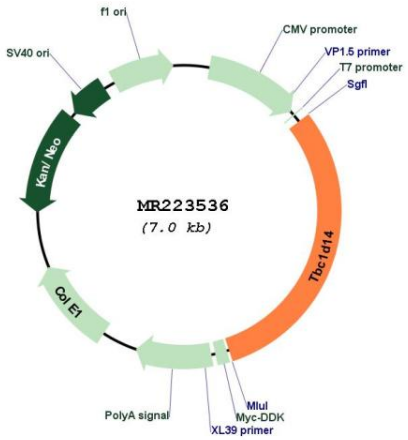
UniProt ID: Q8CGA2

Cytogenetics: 5 19.15 cM

MW: 81.1 kDa

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

Product images:



Circular map for MR223536