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 RR201188

Tbc1d2b (NM_001108175) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d2b (NM_001108175) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbc1d2b
Synonyms:	RGD1307436
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>RR201188 representing NM_001108175
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTTACTGGCTACAGGAGCTTCAGCAGAAAAGATGGGAATACTGCAACAGCCTTGACATGGTCAAGT
GGGACAGCAGGACGTCCCCAACGCCAGGGGACTTCCCCAAGGGCCTCGTGGCCCGAGATAACACAGATAT
AATTTCCCAGCACCCAAATCCTTCTGCAGAAAAAGCCAGAACTGTGCTCGCCGTGGAAGCTGCCCCTGGA
GAGCTGGTGGGGGACCGGGCTGCTCATCATCCAGCCCCCGGGCACCCGAATTCCATTAACTTTTACTCTC
TGAAGCAGTGGGGAAATGAGATCAAAAATTCAATGTCGTCATTCCGTCCTGGGAGAGGGCACAGTGAGAG
TCGCAGGACTGTGTTTTACACCAATGAAGAGTGGGAACTTCTAGACCCGCCTCCTAAGGACCTGGAGGAG
TCCCTCGCACAGGAAGACAGGAAAAAGCCAGTGCCTGAGGGGAGTAAAGGAGTCACTAGTTCAGGATTCC
CCTTTGAGTTTGGACGGAATCCTTACAAAGGAAAGCGCCCCTTGAAAGACATAATTGGGTCATACAAAAA
CCGCCACAGCAGTAGTGACCCTTTGATCGAGGGAACATCATCAGGCAGCAGTGGGGGTCTCGCTAAGCCA
GTCCCTGAAATGCAGCTGCAGATTCAAAGCCAGCAGGAGGAGCTGGAGCAACTCAAGAAGGACCTATCCA
GTCAGAAGGAGCTCGTTCAACTGCTCCAACAGACGGTCCGATCCTCACAATATGACAAGTATTTTATGAG
CCACCAGATCAGCCAGGGGGTCCCAAGGGACACACTGGAGCTCCTCCACCAAAAGGACGAGCAGATCTTG
GGCCTCAGCGGCCAGCTGGAGCGGTTCGGCCTGGAGAAGGAAAGTCTCCAGCAGGAAGTGAGGACTCTGA
AGAGCAAGGTGGGAGAGCTCAATGAGCGGCTGGGGATGCTAATGGAGACCATCCAGGCCAAGGACGAGGT
CATCATCAAGCTCAGCGAATGTGAGGGCAGCGTGTCTTCGCCCACCATGGGACCCAGCTCTCCTTTGGCC
ACCCCAGCCAGCCGGGACCAGCTGGAGCTGGACAGGCTAAAAGACAGTCTACAAGGGTACAAAAGCCAAA
ATAAATTTCTAAACAAGGAAATTTTGGAACTCTCAGCTCTACGAAGAAATGCAGAAAGGAGAGAGAGGGA
TCTGATGGCGAAGTACTCTAGCCTGGAAGCCAAGCTCTGCCAGGTTGAAAGTAAATACTTGATACTGCTC
CAAGAAATGAAGACACCAGTTTGCTCAGAAGAACAGGGCCCTGCCAGGGATGTCATAGCCCAGTTGTTGG
AGGACGCTCTGCAGGTTGAGAGCCAAGAGCAGCCAGAGCAAGCGTTTGTCAAGCCTCATCTGGTCAGTGA
GTTCGATATCTACGGGTTTAGGACTGTCCCTGACGATGATGAGGAAGAGAAATTGGTCGCCAAGGTCCGA
GCATTGGACCTGAAGACTCTGTACCTCACAGAAAACCAGGAAGTTTCCACTGGGGTCAAGTGGGAAAACT
ATTTTGCAAGCACAATGAACAGGGAGATGGTGTGCTCTCCTGAGCTGAAAAACCTGATCCGAGCAGGCAT
TCCCCATGAGCACCGCTCCAAGGTGTGGAAGTGGTGTGTTGACCGTCACACCAGGAAGTTCAAGGACAGC
ATGGAGCCAGGCTACTTCCAGGCCTTACTCCAGAAGGCTCTAGAGAAACAGAACCCGGCCTCCAAGCAGA
TTGAGCTGGACCTGCTTCGGACTCTGCCCAATAACAAACATTACTCCAGCCCCACGTCAGAGGGCATACA
GAAGCTTCGCAATGTCCTGCTTGCCTTCTCATGGAGGAATCCGGATATTGGCTACTGCCAAGGCCTAAAC
AGGTTGGTGGCAGTGGCGCTCCTTTACCTGGAACAAGAGGATGCTTTCTGGTGTCTCGTTACCATTGTGG
AAGTCTTCATGCCTCGAGACTATTACACAAAGACTCTATTAGGATCCCAGGTGGACCAGCGGGTGTTCAG
AGACCTCCTGAGTGAGAAGCTGCCTCGACTGCACACCCATTTTGAGCAGTACAAAGTGGACTACACCCTC
ATCACCTTCAACTGGTTTCTGGTGGTATTCGTGGACAGCGTTGTCAGCGACATCCTCTTTAAGATATGGG
ACTCTTTCCTTTATGAGGGACCAAAGGTTATTTTCCGTTTTGCCCTGGCACTTTTTAAATACAAGGAAGA
GGAGATCCTGAAGCTGCAGGATTCGATGTCCATTTTCAAGTATCTCCGATACTTCACTCGCACTATCCTT
GATGCCAGGAAGCTGACCAGCATCTCCTTTGGGGATCTGAACCCCTTCCCCCTGCGCCAGATCCGGAACC
GGAGAGCCTACCACTTGGAGAAGGTCCGGCTGGAGCTGACAGAGCTGGAGGCCATTCGAGAGGACTTCCT
GCGTGAGCGGGACACTAGCCCTGACAAAGGCGAGCTGGTTAGCGATGAGGAGGAAGACACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

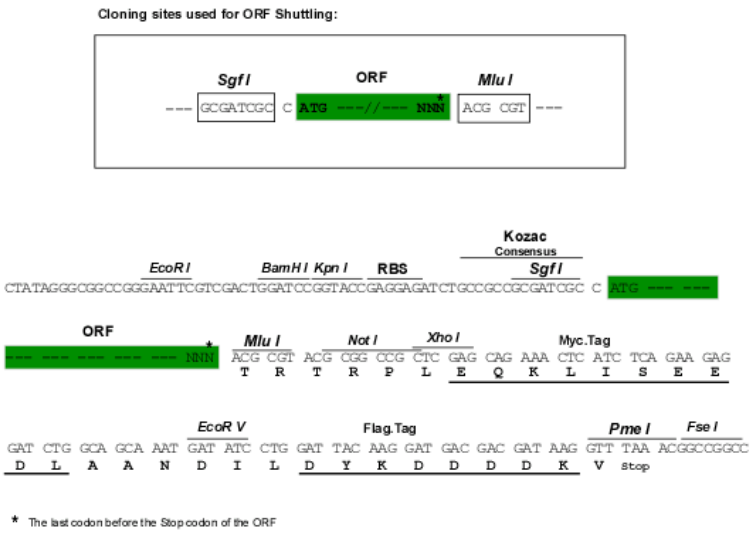
>RR201188 representing NM_001108175
Red=Cloning site Green=Tags(s)

MTYWLQELQQKRWEYCNSLDMVKWDSRTSPTPGDFPKGLVARDNTDIISQHPNPSAEKARTVLAVEAAPG
ELVGDRAAHHPAPGHPNSINFYSLKQWGNEIKNSMSSFRPGRGHSESRRTVFYTNEEWELLDPPPKDLEE
SLAQEDRKKPVPEGSKGVTSSGFPFEFGRNPYKGKRPLKDIIGSYKNRHSSSDPLIEGTSSGSSGGLAKP
VPEMQLQIQSQQEELEQLKKDLSSQKELVQLLQQTVRSSQYDKYFMSHQISQGVPRDTLELLHQKDEQIL
GLSGQLERFGLEKESLQQEVRTLKSKVGELNERLGMLMETIQAKDEVIIKLSECEGSVSSPTMGPSSPLA
TPASRDQLELDRLKDSLQGYKSQNKFLNKEILELSALRRNAERRERDLMAKYSSLEAKLCQVESKYLILL
QEMKTPVCSEEQGPARDVIAQLLEDALQVESQEQPEQAFVKPHLVSEFDIYGFRTVPDDDEEEKLVAKVR
ALDLKTLYLTENQEVSTGVKWENYFASTMNREMVCSPELKNLIRAGIPHEHRSKVWKWCVDRHTRKFKDS
MEPGYFQALLQKALEKQNPASKQIELDLLRTLPNNKHYSSPTSEGIQKLRNVLLAFSWRNPDIGYCQGLN
RLVAVALLYLEQEDAFWCLVTIVEVFMPRDYYTKTLLGSQVDQRVFRDLLSEKLPRLHTHFEQYKVDYTL
ITFNWFLVVFVDSVVSDILFKIWDSFLYEGPKVIFRFALALFKYKEEEILKLQDSMSIFKYLRYFTRTIL
DARKLTSISFGDLNPFPLRQIRNRRAYHLEKVRLELTELEAIREDFLRERDTSPDKGELVSDEEEDT

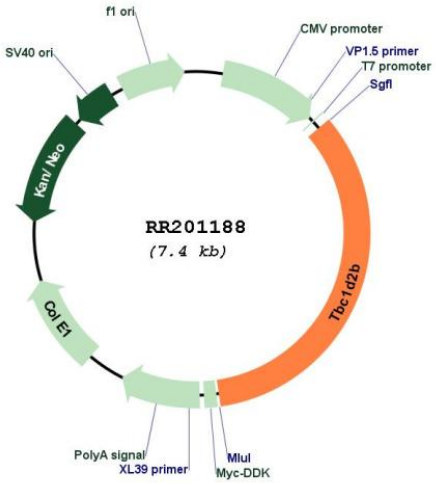
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001108175
ORF Size:	2511 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_001108175.1, NP_001101645.1
RefSeq Size:	5706 bp
RefSeq ORF:	2514 bp
Locus ID:	315880
Cytogenetics:	8q31

MW: 96.6 kDa