

Product datasheet for **RR210899**

Tbc1d21 (NM_001014210) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tbc1d21 (NM_001014210) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Tbc1d21
 Synonyms: RGD1310243
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR210899 representing NM_001014210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCACCTTTCTCCAGAAAACAGCCTCTCTGCCAGGCGGTACGCCACCTTCATTCTGGAGAAGAAAA
 ACCCCCCATTGACAAGGCAGAATGGGACAGCTTCTTCGATGAGAACGGTCACTTGCCAAAGTCACGAGA
 CTTCAATTTGTGTTAACATCCTGGAAAGGGGACTACATCCCCTCGTGAGGGCAGACGCCTGGAAGTTCCTT
 ACAGGGTACTACTCATGGCAGAGTTCGCCGGATGAGCGGCTCATGGTGGACAGCAACAGAAGGAGGA
 ATAACTCCTTGTGCCAGATGTATGAGAAAATCCAGCCCCTGCTGGAAAATTTACATGGGAACTTCACGGA
 GACTCGGAACAACATCGTGTACGATATTCAGAAGCTGTATGATAAAGATCCCCTGGGCAATGTGCTTGTA
 GACAAGAAGAACTGGAGAAGACCCTGCTGCTGAGTTATGTCTGCAATACAAAGGCTGAGTACCAGCGAG
 GCTTCCACGAGATGGTGATGCTTTTCCAGCTGATGGTAGAGCAGCACCATGAGACCTTCTGGCTATTCCA
 GTTTTTCTGCAGAAAACAGAGCACAGTTGTGTATCAACATCGGTGTAGGCAAGAACCTGGACATGCTC
 AACAACTGATCACTTTACTGGACCCTCAGTTTGTGCTGACCACCTCAAAGGAAAGGGCTCGGGAGCTGTGC
 AGTCCCCTTTCCATGGTTCTGCCTTTGCTTCCAGCGTGCCTTCAAATCCTTCGATGATGCTGGAGGCT
 CTGGGAGTCTGCTGACAGGGAAGCCCTGCAGAACTTCCAGGTGCTGGTGGCCTACAGCATGCTACAG
 ATGGTGGGGAGCAGGCGCTGCTGGAGTCTATGAGCGGTGACGCCATTCTCATGGCCTGCAACAAGCTTA
 TCGACCTTGATGCGGATGAGCTGATCTCTGCTGCCTGCGTGGTTTATTCTGAGCTCATAAAAAGGAGGT
 TCCTCAGGCATTAAGGATTTCTTTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210899 representing NM_001014210
 Red=Cloning site Green=Tags(s)

MTTLPENSLSARRSATFILEKKNPPIDKAEWDSFFDENGHLAKSRDFICVNILERGLHPLVRADAWKFL
 TGYYSWQSSRDERLMVDSNRRRNYSNLQMYEKIQPLENLHGNTETRNIVYDIQKLYDKDPLGNVLV
 DKKKLEKTLTLLSYVCNTKAEYQRFHEMVMFLQLMVEHDHETFWLFQFFLQKTEHSCVINIGVGNLDM
 NNLITLLDPQFADHLKGGKSGAVQSLFPWFCLCFQRAFKSFDDVWRLWEVLLTGKPCRNFQVLVAYSMLQ
 MVREQALLEMSGDAILMACNKLIDLDADELISAACVVYSELIQKEVPQALKDFFL

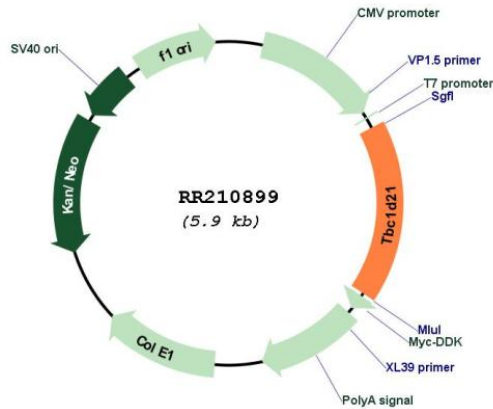
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014210

ORF Size: 1008 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_001014210.1 , NP_001014232.1
RefSeq Size:	1249 bp
RefSeq ORF:	1011 bp
Locus ID:	363072
Cytogenetics:	8q24
MW:	39.1 kDa