

Product datasheet for **RR202141**

Trib1 (NM_023985) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Trib1 (NM_023985) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Trib1
 Synonyms: Gig2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR202141 representing NM_023985
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGGTCGGTCCCGTGCCTTTGCCCTGAGCGGCGCCTCGCAGCCCCGCGG[AT]CCGGCTCTACTGT
 TCCCGGCTGCCCGGGCACCCCGGCCAAACGCCTGCTGGACACGGACGACGCGCGGCCGTGGCGGCCAA
 GTGTCCGCGCCTCTGTAGTGCTCGAATCCCCCTGACTACCTCAGTCCCCCGGGCTGCCCTGCAGTCTT
 CAGCCTCCACCCTCGGCGCAGGGGACCGGCGGCAGCTGTGTGAGCGCACCCGGGCCAGCCGAATCGCCG
 ACTACCTGCTGCTACCCCTAGCTGAGCGCGAGCATGTGTCCCGGGCACTGTGCATCCACACCGGCCGCGA
 GCTGCGCTGCAAGGTGTTTCCATTAAACTACCAAGACAAAATCAGGCCTTACACCCAGCTGCCGTCC
 CATAGAAACATTACTGGCATCGTGAAGTGATCCTCGGGGAGAGCAAGGCCTACGTTTTCTTTGAGAAGG
 ACTTTGGAGACATGCACTCCTATGTACGAAGCCGAAAAGGCTTCGGGAAGAGGAGGCCGCTCGGCTCTT
 CAAGCAAATTGTTTCCGCCGTTGCCCACTGCCACCAGTCAGCCATTGTGCTGGGGACCTGAAGCTTAGG
 AAATTCGTCTTCCACAGAGGAGAGGCCAGCTTAGACTGGAAAGCCTAGAAGATACGCACATGATAA
 AGGGTGAAGATGACGCATTGTGAGATAAATGCTGCCCCGGCCTATGTGAGCCCTGAGATCCTCAACAC
 TACTGGGACCTACTCCGAAAAGGCAGCGGATGTTTGGAGCCTTGGGGTGATGCTACACCCTTTTGGTC
 GGACGATACCCCTTTCATGACTCAGACCCGAGCGCCCTTTCTCCAAAATCCGTCGGGGACAGTTTTGCA
 TTCCCGAGCATGTTTCCCCAAAGCCAGGTGCCTCATCCGACGCCTCTGAGACGAGAACCCTCTGAGAG
 ACTCACAGCTCCTGAGATCTTACTCCATCCCTGTTTTGAATACGCTTGGAAACCGGGGATGTTGACTCA
 GAAGTAGGAATTCTGACCAGATTGTTCCCGAGTACCAGGACGACAATGACGTTAGTTCTTTTTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR202141 representing NM_023985
Red=Cloning site Green=Tags(s)

MRVGPVRFALSGASQPRXXPALLFPAARGTPAKRLLDTDAAVAACCPRLSECSNPPDYLSPPGSPCSP
 QPPPSAQGTGGSCVSAPGPSRIADYLLPLAEREHVSRLACIHTGRELRCKVFPKIKHYQDKIRPYTQLPS
 HRNITGIVEVILGESKAYVFFKDFGDMHSYVRSRKRLEEEAARLFKQIVSAVAHCHQSAIVLGDCLKR
 KFVVFSTEERTQLRLESLEDTHMIKGEDDALSDKHGCPAYVSPEILNTTGTYSGKAADVSLGVMLYTLVV
 GRYPFHSDPSALFSKIRRGQFCIPEHVSPKARCLIRSLRREPSERLTAPEILLHPWFVEYVLEPGYVDS
 EVGTSDQIVPEYQDDNDVSSFFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2110_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023985

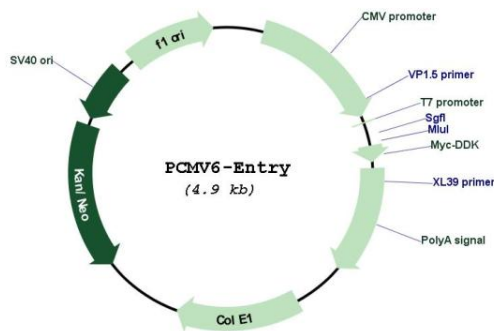
ORF Size: 1116 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_023985.1](#), [NP_076475.1](#)
- RefSeq Size:** 1972 bp
- RefSeq ORF:** 1119 bp
- Locus ID:** 78969
- Cytogenetics:** 7q33
- MW:** 41.3 kDa
- Gene Summary:** a nuclear factor; gene expression induced by m1-acetylcholine receptor [RGD, Feb 2006]

Product images:



Circular map for RR202141