

Product datasheet for **MR207609**

Tube1 (NM_028006) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tube1 (NM_028006) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tube1
Synonyms:	2310061K05Rik; AI551343; Tube
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207609 representing NM_028006
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCCAGTCGGTGGTCTACAGTTCGGACAGTTCGGGAACCAGATCGGCTGCTTCTGGGACCTGG
 CGCTGAGGGAGCACGCAGCGGTCAACCAGAAAGGAATTTATGACGACGCTATAAGCAGCTTCTTCAGGAA
 TGTGGATACCAGAGCTGTTGGGGATGGTGGCAGTATTTCCAAAGGAAGAATATCTTCTCTAAAAGCACGG
 GCTGTTTTGATTGACATGGAAGAAGGCGTAGTGAATGAAATCTCCAAGGCCACTGAGAGACGTGTTTG
 ATAGCAAACAGCTCATCACTGATATCTCTGGCTCGGAAATAATTGGGCTGTGGGTACAAAAGTTTTTG
 ATGTCTTTACCGGAACAGATTTTAGAGAACTGCGGAAGTTCGGCAGAGCAGTGCATTGCTTACAGTGC
 TTCTTCATCATCCACTCCATGGCGGAGGAACAGGCTCTGGGCTTGGCACATTTCTGTTAAAGGTTCTTG
 AAGATGAATCCAGAAGTGTACCGTTTGTGACAGCGTTTATCCTTCCAGTGAAGACGATGTCATCAC
 CTCGCCTTATAACAGTATGCTGGCCATGAAGAACTGAATGAGCATGCAGACTGTGTGCTGCCATTGAC
 AACCAATCTTTATTTGACATCATTAGCAAATGATCTTGTGGTAAATCTGGAAAGTTGGGCTCAGCTG
 TGAAGCCTAAGAGTCTCATTACGTCGAACATGGGGCTGTAAAAAGCACCACAAGAAGCCCTTCGACGC
 CATGAACAACATTGTGGCGAACCTGCTCCTCAGCCTGACAAGCTCTGCGAGGTTTGGGGCTCCCTCAAT
 ATGGACCTGAATGAGATCAGCATGAACCTGGTTCCCTTCCCGAAGCTTCAATATCTCGTGTCAAGCCTGA
 CACCTCTGTACACGCTGGCCGATGTTAACATCCCCCCCCGAAGACTGGATCAGATGTTTTAGACGCCTT
 TAGTAAGGATCACCAGCTCATCCAAGCAGACCCAGACATAGCCTCTACCTTGCTGTGCCCTCATCGTT
 AGAGGAAACGTACAGATTTCCGATCTTCGAGAAATATTGAAAGATTAACCTGCTCTGCAGTTTGTCT
 CCTGGAATCAAGAAGGCTGGAAGACCAGCCTGTGTTCTGTACCGCCTGTGGCCACTCGCATCTCTGTT
 AGCTTTAGCAAATAACAGTGTGTGAAGCCTACCTTCATGGAGCTGAGAGAAAGGTTACAAAGGCTCTAC
 AAGAAAAAGGCTCACCTCCATCACTACCTGCAAGTTGATGGGATGGAGGAAAGCACTTTTACGGAAGCTG
 TGTCTCTCTGTGACGCTCATAAGGAGTACAGTGCCTCGATGCCACAAGAGCCTGCCTGTGCCAGA
 TGTGCCAGGTTGAGTGTGCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207609 representing NM_028006
 Red=Cloning site Green=Tags(s)

MTQSVVVQVQCGNQIGCCFWDLALREHA AVNQKIYDDA ISSFFRNVDTRAVDGGGSIKGRISLKR
 AVLIDMEEGVVNEILQGPLRDVFDKQLITDISGSGNNWAVGHKVFGLYREQILEKLRKSAEQDCLQC
 FFIIHSMGGGTGSLGTFLLKVLDEFPEVYRFVTAVYPSSEDDVITSPYNSMLAMKELNEHADCVLPID
 NQSLFDIISKIDLVVNSGKLGSAVKPKSLITSNMGAVKHHKPFDMNNIVANLLSLTSSARFEGSLN
 MDLNEISMNLVFPFKLHYLVSSLTPLYTLADVNIPPRRLDQMFSDAFSKDHQLIQADPRHSLYLACALIV
 RGNVQISDLRRNIERLKPALQFVSWNQEGWKTSLCSVPPVGHSHLLALANNTCVKPTFMELRERFTRLY
 KKKAHLLHHLQVDGMEESTFTEAVSSLSALIQEYSDLDATKSLPVPDPVRLSVAL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2297_b08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_028006

ORF Size: 1425 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](#)

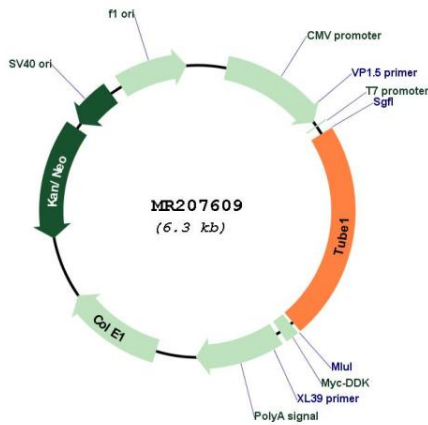
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_028006.2](#), [NP_082282.1](#)
 RefSeq Size: 2929 bp
 RefSeq ORF: 1428 bp
 Locus ID: 71924
 UniProt ID: [Q9D6T1](#)
 Cytogenetics: 10 B1
 MW: 53.1 kDa

Product images:



Circular map for MR207609