

Product datasheet for **RR216756**

Tubg2 (NM_001191075) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubg2 (NM_001191075) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubg2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR216756 representing NM_001191075
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCTGCCCGCCGGCTGCGGAGAGCCACACTGCACACGCGCAGACACAGCGCCCGCATCAAA
 ACAGCGGGGACAGCGCTTGGGCCAGTGGGCAACCAGATTGGGTTTCAATTCTGGAAACAGCTGTGTGC
 TGAGCATGGCATCAGCCCGGAGGCATCGTAGAGGAGTTCGCCACCGAGGGCACTGACCGCAAGGACGTC
 TTTTTCTACCAGGCAGACGATGAGCATTACATCCCCGGGCTGTGCTGCTGGATCTGGAGCCCCGGTGA
 TCCATTCCATCCTCAACTCCTCTATGCCAAGCTCTACAACCCAGAGAACATCTACCTGTCCGAGCATGG
 AGGAGGGGCTGGCAACAAGTGGGCCAGGGGATTCTCCAGGGCGAGAAAATTCACGAGGACATCTTTGAC
 ATCATAGACCGAGAAGCAGATGGAAGTGACAGTCTAGAGGGATTGTGCTGTGCTACTCCATTGCTGGGG
 GGACAGGTTCCGGTCTGGGCTCCTACCTCTTAGAGCGACTGAATGACAGGTACCCCAAGAAATTGGTGCA
 GACCTACTCTGTGTTTTCCAACAGGATGAGATGAGTGACGTGGTGGTCCAGCCCTACAACCTCCCTCCTC
 ACCCTAAAGAGGCTGACCCAGAACGCGGACTGTGTGGTGGTGTGGACAACACGGCCCTGAACCGGATCG
 CCACAGACCGCTGCACATCCAGAACCATCCTTCTCCAGATCAACCAGCTGGTGTCCACCATCATGTC
 AGCCAGCACCACCCTGCGCTACCCCGGATACATGAACAACGACCTCATCGGCCTCATCGCCTCACTC
 ATCCACCCCTCGACTACACTTCTCATGACTGGCTATACCCCTCACCACGGACCAAGTCAAGAG
 CTCCCCAGTGGCCAGTGTGAGGAAGACAACAGTTCTGGATGTCATGAGGAGACTGCTACAGCCCAAGAA
 CGTGATGGTGTCCACAGGCCGGGATCGTCAGACCAACCACTGCTACATCGCCATCCTCAACATCATCCAG
 GGAGAGGTGGACCCACCAGGTTACAAGAGCCTGCAGAGGATCCGGGAGAGGAAGTTGGCCAACCTTA
 TCCCCTGGGGCCCGCCAGCATCCAGTGGCCCTGTCAAGGAAGTCTCCCTACCTGCCACAGCCACCG
 GGTCAGCGGGCTCATGATGGCCAACACACAGTATCTCCTCGTTTTTGAAGTTCTGCCAGCAGTAT
 GACAAACTGTGGAAGCGGGGGCCTTCTGGAGCAGTTCCGCAAAGAGGACATCTCAAGGACAACCTTG
 AGGAGATGGACAGATCCAGGGAGGTGGTGCAGGAGCTCATCGATGAGTATCACGCTGCTACCAGGCCGGA
 CTATATCTCTGGGGCACCCAGGAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216756 representing NM_001191075
 Red=Cloning site Green=Tags(s)

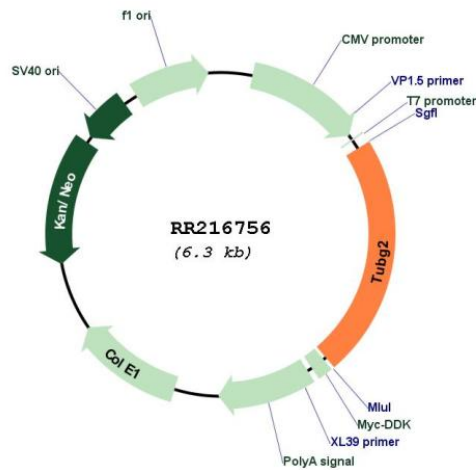
MGSAARRLRAHTAHAQTQRPHQNSGGQRLGQCGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTRDKDV
 FFYQADDEHYIPRAVLLDLEPRVIHSILNSSYAKLYNPENIYLSEHGGGAGNNWARGFSQGEKIHFDFD
 IIDREADGSDSLEGFVLCHSIAGGTGSLGSYLLERLNDRYPKLVQTYVFPNQDEMSDVVVQPYNSSL
 TLKRLTQNADCVVVLDNTALNRIATDRLHIQNPSFSQINQLVSTIMSASTTTLRYPGYMNNDLIGLIASL
 IPTPRLHFLMTGYTPLTTDQSVRAPPVASVRKTTVLDMRRLQPKNMVSTGRDRQTNHCYIAILNIIQ
 GEVDPTQVHKSQRIRERKLANFIPWGPASIQVALSRKSPYLPASHRVSGLMANHTSISLFESSCQQY
 DKLWKRGAFLQFRKEDIFKDNFEEMDRSREVVQELIDEYHAATRPDYISWGTQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001191075

ORF Size: 1428 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_001191075.1](#), [NP_001178004.1](#)

RefSeq Size: 1615 bp

RefSeq ORF: 1431 bp

Locus ID: 680991

Cytogenetics: 10q31

MW: 53.8 kDa