

Product datasheet for RC231177

TUBD1 (NM_001193611) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TUBD1
Synonyms:	TUBD
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231177 representing NM_001193611
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAATTGTAACAGTGCAACTTGGTCAGTGTGGCAATCAGATTGGTTTTGAAGTTTTGATGCTTTGC
TTAGTGACTCACACAGTCCCAGGGACTCTGCTCTATGAGAGAGAATGAGGCATATCAAGCATCTTGCAA
AGAAAGATTCTTCAGTGAGGAGGAGAATGGAGTTCCAATTGCCCGGGCTGTTCTTGTGACATGGAACCC
AAAGTTATCAATCAAATGCTGTCAAAGGCTGCCAGTCTGGCCAATGGAATATGGTCAACATGCATGCT
TCTGTCAAAAACAAGTTCTGGAAACAACCTGGGCATATGGTTACTCTGTTTCATGGACCCAGGCATGAAGA
ATCTATAATGAACATAATCCGGAAGGAAGTGGAGAAATGTGACTCTTCAGTGGTTTTTTCATCATAATG
AGTATGGCTGGGGGCACAGGATCAGGATTAGGAGCTTTCGTTACACAGAATTTAGAAGATCAGTACTCAA
ACTCATTGAAATGAATCAGATTATTTGGCCTTATGGAAGTGGTGGTTATTGTTCAAACTACAACCTC
CATTTTGACACTTTCTCACTTTGACGATCTTCAGACGCCCTCCTTCTTCATGAGAATGATGCCATCCAT
AAGATCTGTGCAAACTGATGAATATCAAGCAGATCTCCTTTAGTGATATCAATCAAGTCTCGCACATC
AGCTGGGAAGTGTGTTCCAGCCTACTTATCTGCAGAAAGCTCATTTCACTACAGACGAAATCCACTAGA
GGGATTTAAAGATCCAGCTCTGTATACTTCTGGTTGAAGCCTGTTAATGCTTTCAACGTGTGGAAACC
CAGCGGCCCTTTAGCAAATATGAGAAGTCTGCAGTGTGGTCAGCAACAGCCAGTTCTTAGTAAACCAC
TTGATATGATTGTTGGGAAGGCATGGAATATGTTTGCTTCAAAGCCTACATTCATCAGTACACAAAATT
TGGAATCGAAGAAGAGGACTTTTTAGACAGTTTCACGTCATTAGAGCAGGTTGTTGCCAGTTACTGTAAT
CTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC231177 representing NM_001193611

Red=Cloning site Green=Tags(s)

MSIVTVQLGQCNGQIGFEVFDALLSDSHSSQGLCSMRENEAYQASCKERFFSEEENGVPPIARAVLVDMEP
KVINQMLSKAAQSGQWKYQGHACFCQKQSGNNWAYGYSVHGPRHEESIMNIIIRKEVEKCDSESGFFIIM
SMAGGTGSLGAFVTQNLQYNSLKMNIIPYGTGEVIVQNYNSILTLSHLYRSSDALLHENDAIH
KICAKLMNIKQISFSDINQVLAHQLGSVFQPTYSAESEFHYRRNPLEGKDPALYTSWLKPVNAFNVWKT
QRAFSKYEKSAVLVSNSQFLVKPLDMIVGKAWNMFASKAYIHQYTKFGIEEEDFLDSFTSLEQVVASYN
L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

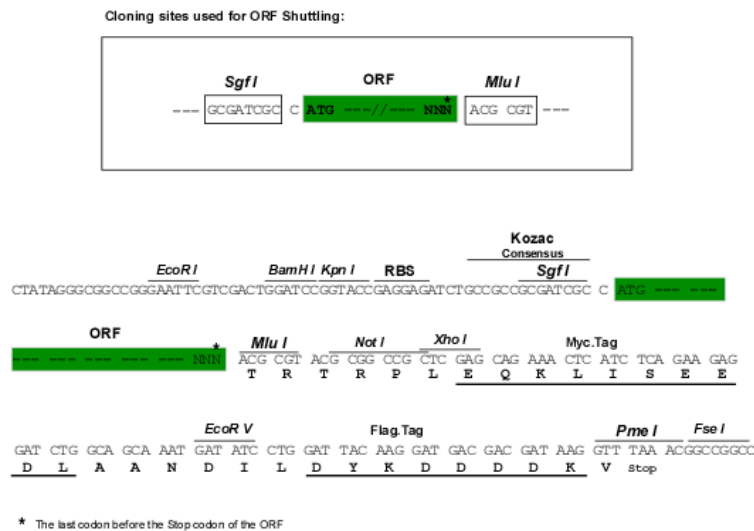
Chromatograms:

https://cdn.origene.com/chromatograms/mk8054_c07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001193611

ORF Size:

1053 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:

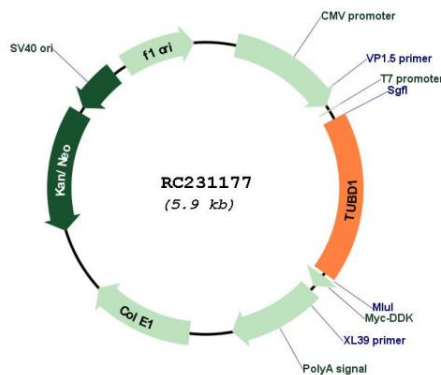
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001193611.1, NP_001180540.1</u>
RefSeq ORF:	1056 bp
Locus ID:	51174
UniProt ID:	<u>Q9UJT1</u>
Cytogenetics:	17q23.1
Protein Families:	Druggable Genome
MW:	40 kDa
Gene Summary:	Acts as a positive regulator of hedgehog signaling and regulates ciliary function. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC231177