

Product datasheet for **MR229990**

Tubd1 (NM_001199047) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubd1 (NM_001199047) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubd1
Synonyms:	4930550G19Rik; Tubd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR229990 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGATAGTGACAGTACAGCTGGGGCAGTGTGGCAACCAGATTGGCTTTGAAGTGTGGTATGCTTTAT
 TTAGAGACTCACACTGTTCCAGGGACTCTGTTCTAAGAGGGACAACGAGGCATATCAAGCTTCCTGCAG
 AGAAAGATTTTTTCAGAGAGGAAGAAAATGGAGTTCAGTTGCCCGGGCTGTTCTTGTGACATGGAACCT
 AAAGTTATCAATCAAACACTATCAAAGCTGCCAGTCTGGCCGATGGAATTATGGTCAGCACACGAGTT
 TTTGTCAGAAACAAGGATCTGGGAACAACGGGCATACGGTTACTCTGTGCATGGACCGAAGCATGAAGA
 ATCTATAATGAACCTAATCAAACAGAGGTGGAGAAATGTGACTCTTTGAGTGGATTTTTTCATCATAATG
 AGTATGGCCGGGGAACAGGATCAGGGCTGGGAGCCTTCGTTACACAGAAGCTACAAGATCAGTACTCCA
 GTTCCTTGAAAAAAGAACAGATTATATGGCCTTATGGAACGGGTGAGGTCATTGTGCAGAACTACAACCT
 CATCTTGACTCTCTCACCTGTACCGTCTTCAGATGCCCTTTCATTACAGAGAATGACGCTGTCCAT
 AAGATCTGTGCCAAACGGATGAACATCAAGCAGATCTCCTTCAGAGACTTAAATCAAGTTCTTGCCACC
 AGCTGGGGAGTGTGTTCCAGCCTACATACTCTGAGGACAGCTCATTTCACTACCGCAGAAATCCACTAGG
 AGACTTAATGGAGCATTTAGTTCCTCACCTGAATTTAAGATGCTGGGTGTCCGTAACATTCCTCAGATG
 TCTGCGCGTCTCTGGCGTACAGCGCGTTTACCTGGGCTGGCCTCCTCAAGCACTTAAGACAGATGCTTA
 TTTCCAGTGCAAAAATGGAAGAAGGTATCAACTGGCAGGTGCGGCCTCCTCTGACAGGCCTTCCACCCAT
 TGGCAAAGCGTCTGCCACAAGGAGCATCATTTAACACTTCTCTGCTAACTTGGTGGTCTCCGAGGG
 AGAGAGGTGCACAGTGCAGACGTAGAGGGATTTAAGACCCAGCTCTCTACACTTCTGGTTGGAGCCTG
 TTGATGCTTTCAGTGTATGGAAAACCCAGCGAGCCTTTGACAAGTATGAGAAGTCTGCAGCCCTGGTCAG
 CAACAGCCAGCTCTTAGTAAAGCCACTGGATATGATTGTGGCAAGGCGTGAATATGTTCTCATCCAAA
 GCCTTTATCCATCAGTACACAAAATTTGGAATGGAGGAGGAAGACTTTTTGGACGCTTTCATTGTTGG
 AGCAAGTTGTTGCCAGTTATGGTAGTCTTGGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229990 protein sequence
 Red=Cloning site Green=Tags(s)

MSIVTVQLGQCGNQIGFEVFDALFRDSHCSQGLCSKRDNEAYQASCRERFFREEENGVPVARAVLVDMEP
 KVINQTLSKAAQSGRWNYGQHTSFCQKQSGSNWAYGYSVHGPKHEESIMNLIQTEVEKCDLSGFFIIM
 SMAGGTGSGLGAFVTQKLQDQYSSSLKMNQIIWPTYGTGEVIVQNYNSILTLSHLYRSSDALLIHENDAVH
 KICAKRMNIKQISFRDLNQLAHQLGSVFPQTYSEDSSFHYYRRNPLGDLMEHLVPHPEFKMLGVRNIPQM
 SAASLAYSFTWAGLLKHLRQMLISSAKMEEGINWQVRPPLTGLPPIGKASAHKEHHFNTSLANLVVLRG
 REVHSADVEGFKDPALYTSWLEPVDAFSVWKTQRAFDKYEKSAALVSNSQLLVKPLDMIVGKAWNMFSSK
 AFIHQYTKFGMEEDFLDSFALLEQVVASYGSLGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001199047

ORF Size: 1365 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: [NM_001199047.1](#), [NP_001185976.1](#)

RefSeq Size: 1988 bp

RefSeq ORF: 1368 bp

Locus ID: 56427

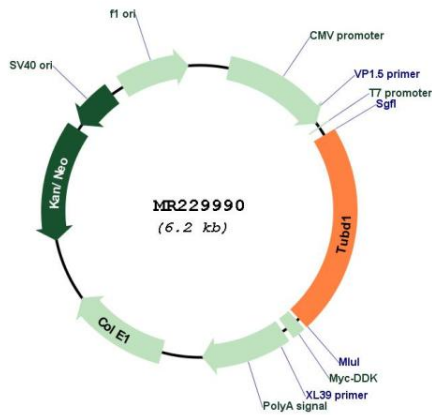
UniProt ID: [Q9R1K7](#)

Cytogenetics: 11 C

MW: 51 kDa

Gene Summary: Acts as a positive regulator of hedgehog signaling and regulates ciliary function (PubMed:29290584).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229990