

Product datasheet for **MC227948**

Tubd1 (NM_001199046) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubd1 (NM_001199046) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tubd1
Synonyms:	4930550G19Rik; Tubd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC227948 representing NM_001199046
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGATAGTGACAGTACAGCTGGGGCAGTGTGGCAACCAGATTGGCTTTGAAGTGTGGTATGCTTTAT
 TTAGAGACTCACACTGTTCCAGGGACTCTGTTCTAAGAGGGACAACGAGGCATATCAAGCTTCCTGCAG
 AGAAAGATTTTTTCAGAGAGGAAGAAAATGGAGTTCAGTTGCCCGGGCTGTTCTTGTGACATGGAACCT
 AAAGTTATCAATCAAACACTATCAAAGCTGCCAGTCTGGCCGATGGAATTATGGTCAGCACACGAGTT
 TTTGTCAGAAACAAGGATCTGGGAACAAGTGGGCATACGGTTACTCTGTGCATGGACCGAAGCATGAAGA
 ATCTATAATGAACCTAATCCAAACAGAGGTGGAGAAATGTGACTCTTTGAGTGGATTTTTTCATCATAATG
 AGTATGGCCGGGGAACAGGATCAGGGCTGGGAGCCTTCGTTACACAGAAGCTACAAGATCAGTACTCCA
 GTTCCTTGAAAAAAGAACAGATTATATGGCCTTATGGAACGGGTGAGGTCATTGTGCAGAACTACAACCT
 CATCTTGACTCTCTCACCTGTACCGGTCTTCAGATGCCCTTTCATTACAGAGAATGACGCTGTCCAT
 AAGATCTGTGCCAAACGGATGAACATCAAGCAGATCTCCTTCAGAGACTTAAATCAAGTTCTTGCCACC
 AGCTGGGGAGTGTGTTCCAGCCTACATACTCTGAGGACAGCTCATTTCCTACCGCAGAAATCCACTAGA
 CTCTGGAAGTGTAGGACCCAGGCTGCCTCATGCCACGAATTTTCGTTTGGTCGCTCTCTGCCACCAAC
 CTATCTTTCTATCCCAAACAGGAGACTTAATGGAGCATTTAGTTCCTCACCCCTGAATTTAAGATGCTGG
 GTGTCCGTAACATTCTCAGATGTCTGCGGCGTCTCTGGCGTACAGCGCGTTTACCTGGGCTGGCCTCCT
 CAAGCACTTAAGACAGATGCTTATTTCCAGTGCAAAAAAGGATCAACTGGCAGGTGCGGCCCT
 CCTCTGACAGGCCCTCCACCCATTGGCAAGCGTCTGCCACAAGGAGCATCATTTTAACTTCTCTTG
 CTAACCTGGTGGTCCCGAGGGAGAGAGGTGCACAGTGCAGAGGTAGAGGGATTTAAAGACCCAGCTCT
 CTACACTCCTGTTGGAGCCTGTTGATGCTTTTCAGTGTATGGAAAACCCAGCGAGCCTTTGACAAGTAT
 GAGAAGTCTGCAGCCCTGGTCAGCAACAGCCAGCTCTTAGTAAAGCCACTGGATATGATTGTGGCAAGG
 CGTGGAATATGTTCTCATCAAAGCCTTTATCCATCAGTACACAAAATTTGGAATGGAGGAGGAAGACTT
 TTTGGACAGCTTTGCATTGTTGGAGCAAGTTGTTGCCAGTTATGGTAGTCTTGGACCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001199046
- Insert Size:** 1461 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001199046.1](#), [NP_001185975.1](#)

RefSeq Size: 1975 bp

RefSeq ORF: 1461 bp

Locus ID: 56427

Cytogenetics: 11 C

Gene Summary: Acts as a positive regulator of hedgehog signaling and regulates ciliary function (PubMed:29290584).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1 and 3 encode the same isoform (1).