

Product datasheet for **MC217118**

Tub (NM_021885) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tub (NM_021885) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tub
Synonyms:	rd5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC217118 representing NM_021885
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACTTCCAAGCCGATTCCGACTGGATTCTTACAGTGTCTAGATGATGAGGGCAGCAACCTGAGGC
AGCAGAAGCTCGACCGCAGCGGCCCTGTTGGAACAGAAGCAGAAGAAGAAGCGCCAAGAGCCCTTGAT
GGTACAGGCCAATGCAGATGGACGGCCCCGGAGTCGGCGAGCCCGCAGTCAGAGGAGCAAGCCCCCTG
GTGGAGTCTACCTCAGCAGCAGTGGCAGCACCAGCTACCAAGTTCAAGAGGCCGACTCGATTGCCAGTG
TACAGTGGGAGCACCCGCCACCAGCACCAGCCTCAGCCAAGAAATCCAAGGGAGCGGCTGCATCTGG
GGGCCAGGGTGGAGCCCCAGGAAGGAGAAGAAGGAAAGCATAAAGGCCACCAGCGGGCCAGCAACTCTG
GCAGAAGACAAGTCTGAGGCCAAAGGCCAGTGCAGATCTTGACTGTGGACAGTCAGACCACGACAAGG
ATGCGGGAGAGACAGCAGCCGGCGGGGGCGCACAGCCAGTGGGCAGGACCTCCGTGCCACGATGCAGAG
GAAGGGCATCTCCAGCAGCATGAGCTTTGACGAGGACGAGGATGAGGATGAAAACAGCTCCAGCTCCTCC
CAGCTAAACAGCAACACCCGCCCTAGTTCTGCCACTAGCAGAAAGTCCATCCGGGAGGCAGCTTCAGCCC
CCAGCCCAGCCGCCAGAGCCACCAGTGGATATTGAGGTCCAGGATCTAGAGGAGTTTGCAGTGGGCC
AGCCCCACAAGGGATCACCATCAAATGCCGCATCACTCGGGACAAGAAGGGGATGGACCGCGGCATGTAC
CCCACCTACTTTCTGCACCTAGACCGTGAGGATGGCAAGAAGGTGTTCTCCTGGCGGCAGGAAGAGAA
AGAAGAGTAAACTTCCAATTACCTCATCTCTGTGGACCAACAGACTTGTCTCGGGGAGGCGATAGCTA
TATCGGAAATTCGGTCCAACCTGATGGGCACCAAGTTCACCGTTTATGACAATGGCGTCAACCCTCAG
AAGGCATCCTCTCCACGCTGGAAGCGGAACCTTGCCCGAGGAGCTGGCAGCGGTGTCTATGAGACAA
ATGTCCTAGGCTTCAAGGGACCTCGGAAGATGAGTGTGATCGTCCAGGCATGAACATGGTTCATGAGAG
AGTCTGTATCCGCCCCGCAATGAACATGAGACCCTGTTAGCACGCTGGCAGAACAAGAACACGGAGAGC
ATCATTGAGCTGCAGAACAAGACGCCAGTCTGGAATGATGACACACAGTCTATGTACTTAACTCCACG
GCCGTGTACACAGGCTTCTGTGAAGAACTCCAGATCATCCACGGCAATGACCCGGACTACATCGTCAT
GCAGTTTGGCCGGTAGCAGAAGATGTGTTACCATGGATTACAACCTACCCACTGTGTGCACTGCAGGCC
TTTGCCATTGCTGTCCAGCTTTGACAGCAAGCTGGCCTGCGAGTAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021885

Insert Size: 1518 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).

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_021885.4](#), [NP_068685.1](#)

RefSeq Size: 5941 bp

RefSeq ORF: 1518 bp

Locus ID: 22141

UniProt ID: [P50586](#)

Cytogenetics: 7 57.21 cM

Gene Summary: Functions in signal transduction from heterotrimeric G protein-coupled receptors. Binds to membranes containing phosphatidylinositol 4,5-bisphosphate. Can bind DNA (in vitro). May contribute to the regulation of transcription in the nucleus. Could be involved in the hypothalamic regulation of body weight. Contribute to stimulation of phagocytosis of apoptotic retinal pigment epithelium (RPE) cells and macrophages (By similarity). [UniProtKB/Swiss-Prot Function]