

Product datasheet for **MC200757**

Twf1 (NM_008971) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Twf1 (NM_008971) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Twf1 |
| Synonyms: | A6; Ptk9; twinfilin |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC015081 sequence for NM_008971
 CCACGCGTCCGGGCCGGGGCCGCTACCGCACCCCTGCGCCGGAGCCGGGAGCCTGGGGCCGCCCATGTC
 CCACCAGACCCGGCATCCAAGCAAGCGAAGATGTCAAAGAGATCTTTGCCCGAGCCAGAAACGGGAAATAC
 AGACTTCTGAAAATATCTATCGAAAATGAGCAACTGGTGGTTGGCTCCTGTAGTCCACCTTCAGACTCCT
 GGAACATGACTACGACTCCTTTGTCTTGCCCTGCTGGAGGACAAGCAGCCGTGCTATGTATTATTCAG
 GTTAGACTCTCAGAATGCCCAGGGATATGAATGGATATTCATTGCATGGTCTCCAGATCATTCTCATGTA
 CGTCAGAAAATGCTGTATGCGGCAACAAGAGCGACTCTGAAGAAAATTTGGAGGTGGCCACATTAAG
 ATGAAGTGTGGAACAGTAAAGGAGGACGTATCATTACATGGATATAAAAAGTATTTGCTGTCCCAGTC
 TCCCCCTGCCCGCTGACCGCCGCTGAGGAAGAATTACGGCAGATTAAAAATCAACGAGGTCCAAACTGAT
 GTGAGTGTGGACACAAAGCACCAGACACTCCAAGGCGTAGCCTTTCTATTCTCGAGATGCCTTCCAGG
 CTTTGGAGAAGCTGAGTAAGAAGCAGCTCAACTATGTGCAGTTGGAAATAGATATAAAAAATGAAACAAT
 AATTTTGGCCAACACAGAAAATACAGAACTGAGAGATTTGCCAAAGAGGATTTCCCAAGGATTCAGCGCT
 TACCATTTCTTTCTGTACAAGCATTCCCACGAAGGAGACTACTTAGAGTCCGTAGTTTTTATTTATTCGA
 TGCTGGATACACGTGCAGCATAAGAGAGCGGATGCTGTATTCCAGCTGCAAGAGCCCTCTGCTCGAGAT
 TGTAGAGCGACAGCTACAGATGGATGTGATCAGAAAGATTGAGATAGACAATGGGGATGAGCTGACTGCG
 GATTTCTGTACGATGAAGTCCACCCCAAGCAGCATGCACATAAGCAGAGTTTTGCTAAACCGAAAGGTC
 CTGCGGGAAAGAGGGGGATCCGAAGATTGATTAGGGGCCAGCGGAAGCAGAAGCCACTACTGACTAGAA
 CTGTGCTATTAATGTTGCAATATAGTTTTGTAAGTTTTCCAGCTTTTAGTACAAGGAGAACTGAAATCA
 TTCCATGTTGATAGAGTTGGGAGGAAAATTGACTTTTTGAAAAATAGCACTTTTCACTTCTATGATTTT
 TTTAAATTAATGCATAGAAGACTCATGATTTTTATTTTTTAGTTAAACTAGACAAGGTTTCAACATAG
 TGATGTTTGGTTTTGTACACTGTTTTTCATAACGTGTTGATTCCACACTTTCACATAATCTTCAATATTT
 CCCATAGTGGCCAGTCCACCAAGCATAAAGTCTTGCTCTGTAGAACTCTGTAGTGAAGTCTAACGTT
 CCCTATGAAGGGAAGCGAACGACGAACAACCCTGAGATACTCACACTGTGAGTGTGTTAAGGAGCTG
 GGAGGAGCGGGCAGCTGATTGCTTTGAGCATGCTCAGGAAGGGCTGTCTGCCCGGTGGAGAAAGGCAA
 ACTGCAGCAGGGTCTCCTGTCCCTCCTCCTATTGTAGTAGCATCAGATCTCAGAAAAGTTCACACT
 GAAGCTCGAAAGGTACCAGACAGTGCAGGCTTCCCATCCCATCCCCGCCCCCTGCACTGGAAGACTCG
 CGTCCAGTAAGTCTTTGCAGAACTTTGAGCTATCTATTTCCAAAGTGAAGTCCAGAGGGCTGACGCCAG
 ACGTTCATGTTTCGAAAGCCAAGGATCGCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008971

Insert Size: 1053 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: [BC015081](#), [AAH15081](#)

RefSeq Size: 1885 bp

RefSeq ORF: 1053 bp

Locus ID: 19230

UniProt ID: [Q91YR1](#)

Cytogenetics: 15 E3

Gene Summary: Actin-binding protein involved in motile and morphological processes. Inhibits actin polymerization, likely by sequestering G-actin. By capping the barbed ends of filaments, it also regulates motility. Seems to play an important role in clathrin-mediated endocytosis and distribution of endocytic organelles.[UniProtKB/Swiss-Prot Function]