

## Product datasheet for **RN206444**

### Twf1 (NM\_001008521) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Twf1 (NM_001008521) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Twf1
Synonyms:	Ptk9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206444 representing NM_001008521 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCACCAGACCGGCATCCAAGCAAGTGAAGACGTCAAAGAGATCTTGGCAGAGCCAGAAATGGGA  
AATACCGACTTCTAAAAATCGATTGAAAATGAGCAACTGGTGGTGGGTCCTGTAGTCCGCCTCAGA  
TTCCTGGGAACAGGATTACGATCCCTTTGTCTTGCCCTGCTGGAGGACAAGCAACCGTGTATGTGTTA  
TTCAGGTTAGATTCTCAGAATGCCAGGGATATGAGTGGATATTCATTGCATGGTCTCCAGATCATTCTC  
ATGTTTCGTCAAAAATGCTGTATGCGGCAACAAGAGCAACTCTGAAAAAGAATTTGGAGGTGGCCACAT  
TAAAGATGAAGTGTGGAAACAGTAAAGGAGGAGTATCACTACATGGATATAGAAAGTATCTTCTCTCC  
CAGTCTTCTCCTGCCCTCTGACTGCAGCAGAGGAAGAAATTAAGGCAGATTAATAAGTACAGGTACAAA  
CTGACGTGAGTGTGGACACAAAGCATCAGACACTACAAGGAGTAGCATTTCCTATTTCTCGAGATGCCTT  
CCAGGCTTTGGAAAACTGAGTAAGAGACAGCTCAACTATGTGCAGTTGGAAATAGATATAAAAAATGAA  
ACAATAATTTGGCCAACACAGAAAATACAGAATAAAAGATTTGCCAAAGAGGATTCCTCAAGGATTCAG  
CACGCTACCATTCTTTCTGTATAAGCATTCCACGAAGGAGACTACTTAGAGTCCATAGTTTTATTTA  
TTCAATGCCCGGATACACATGCAGCATAAGAGAGCGGATGCTGTATTCCAGCTGCAAGAGCCCTCTGTTA  
GATATTGTAGAAAGACAAGTGCAGATGGATGTGATCAGAAAGATTGAGATAGACAATGGGATGAAGTGA  
CCGCAGATTTCTGTACGATGAAGTCCATCCCAAGCAGCATGCACATAAGCAGAGTTTTGCTAAACCAA  
GGTCTCGCGGAAAGAGAGGGATTAGAAGATTGATTAGGGTCCAGCGGAAGCAGAAGCCACTACTGAT  
TAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



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<b>ACCN:</b>	NM_001008521
<b>Insert Size:</b>	1053 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001008521.1</a></u> , <u><a href="#">NP_001008521.1</a></u>
<b>RefSeq Size:</b>	2895 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	315265
<b>UniProt ID:</b>	<u><a href="#">Q5RJR2</a></u>
<b>Cytogenetics:</b>	7q35
<b>Gene Summary:</b>	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 (By similarity).[UniProtKB/Swiss-Prot Function]