

Product datasheet for **SC115604**

TWF2 (NM_007284) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TWF2 (NM_007284) Human Untagged Clone
Tag:	Tag Free
Symbol:	TWF2
Synonyms:	A6r; A6RP; MSTP011; PTK9L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_007284 edited

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ATGGCGCACCAACGGGCATCCACGCCACGGAAGAGCTGAAGGAATCTTTGCCAAGGCA
CGGGCTGGCTCTGTGCGGCTCATCAAGTTGTGATTGAGGACGAGCAGCTCGTGTGGGT
GCCTCGCAGGAGCCAGTAGGCCGCTGGGATCAGGACTATGACAGGGCCGTGCTGCCACTG
CTGGACGCCCAGCAGCCCTGCTACCTGCTCTACCGCCTCGACTCACAGAATGCTCAGGGC
TTCGAATGGCTCTTCTCGCCTGGTCGCCTGATAACTCCCCGTGCGGCTGAAGATGCTG
TACGCGGCCACGCGGGCCACAGTGAAAAAGGAGTTTGAGGTGGCCACATCAAGGATGAG
CTCTTCGGGACTGTGAAGGATGACCTCTCTTTGCTGGGTACCAGAAACATCTGTCGTCC
TGTGCGGCACCTGCCCCGCTGACCTCGGCTGAGAGAGAGCTCCAGCAGATCCGCATTAAC
GAGGTGAAGACAGAGATCAGTGTGGAAGCAAGCACCAGACCCTGCAGGGCCTCGCCTTC
CCCCTGCAGCCTGAGGCCAGCGGGCACTCCAGCAGCTCAAGCAGAAGATGGTCAACTAC
ATCCAGATGAAGCTGGACCTAGAGCGGGAACCAATTGAGCTGGTGACACAGAGCCACG
GATGTGGCCCAGCTGCCCTCCCGGGTGCCCCGAGATGCTGCCCGTACCACTTCTTCCTC
TACAAGCACACCCATGAGGGCGACCCCCTTGAGTCTGTAGTGTTTCATCTACTCCATGCCG
GGGTACAAGTGCAGCATCAAGGAGCGAATGCTCTACTCCAGCTGCAAGAGCCGCCTCCTC
GACTCCGTGGAGCAGGACTTCCATCTGGAGATCGCCAAGAAAATTGAGATTGGCGATGGG
GCAGAGCTGACGGCAGAGTTCCTCTACGACGAGGTGCACCCCAAGCAACACGCCTTCAAG
CAGGCCTTCGCCAAGCCCAAGGGCCAGGGGCAAGCGGGGCCATAAGCGCCTCATCCGC
GGCCCGGGTGAAAATGGGATGACAGCTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007284 unedited
 GGGCACATTTGTATACGACTCACTATAGGCGGCCGCAATTTCGCACGAGGGGAAGCTGCG
 CGAGGGTCGACAGCCTCCGCCACATCCTCCACCTCTCTTGGTCCAGCGAGCGTTGCCGGG
 CCAGGGTCAAGCGGAGGGCTCCGACGGCGCGGACGGAGCGAAGCGCCGAGCCATGGCGCA
 CCAAACGGGCATCCACGCCACGGAAGAGCTGAAGGAATTCTTTGCCAAGGCACGGGCTGG
 CTCTGTGCGGCTCATCAAGTTGTGATTGAGGACGAGCAGCTCGTGTGGTGCCTCGCA
 GGAGCCAGTAGGCCGCTGGGATCAGGACTATGACAGGGCCGTGCTGCCACTGCTGGACGC
 CCAGCAGCCCTGCTACCTGCTCTACCGCCTCGACTCACAGAATGCTCAGGGCTTCGAATG
 GCTCTTCTCGCCTGGTCGCCTGATAACTCCCCGTGCGGCTGAAGATGCTGTACGCGGC
 CACGCGGGCCACAGTGAAAAAGGAGTTTGGAGGTGGCCACATCAAGGATGAGCTCTTCGG
 GACTGTGAAGGATGACCTCTCTTTTGTGGTACCAGAAACATCTGTCGCTGTGCGGC
 ACCTGCCCCGCTGACCTCGGCTGAGAGAGAGCTCCAGCAGATCCGCATTAAACAGGTGAA
 GACAGAGATCAGTGTGAAAGCAAGCACCAGACCCTGCAGGGCCTCGCTTCCCCCTGCN
 AGCCTGAGCCCAGCGGGCACTCCAGCAGCTCAAGCAGAAGATGGTCAACTACATCCAGAT
 GAAGCTGGACCTANNAGCGGAAACCATTGAGCTGGTGCACACAGAGCCCACGGATGTGGC
 CCAGCTGCCCTCCCCGGTGCCCCGAGATGCTGCCCGCTACCACTTCTTCTCTACAGCAC
 ACCCATGAGGGNCGACCCCTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007284 unedited
 TACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGATTTAAAAATATTT
 TATTCTTTAGAAAATACAGCATTCAACCATCCAAACTGCAGTGACCCCTGCCCCAGCCC
 TGACTGACCCCACTTCTTGTGGCCAAAGTTTCTGGGCTGTGCTGGGACCCTAGTCTCAG
 CTCCCCGGGAGGCCAGGTTTCATGCCAGGCCCTGACCCAGCCCCCTTAAGCCAGCCAGGC
 AGGGTCCCGGACACCCTGGGCACACAGACGAGATGCAGGGACAGCAACAGGGAAGGGTC
 ACAAATGCCAGCCCGTGGCCCTCGGACGCTGCAAGTGCCTTCACTGCCAGCCCTCCT
 GACCTCCAGAAACACTTTCCTGGAGCCAGGAAGGAGGATGGTGGCAGGGAGCGGAAGG
 TGGGCAGCCCCACAGTCCACACGTGGCCGGCCCTGCTCCAGCCTCCTAGCTGTATCCCC
 ATTTTACCCGGGCGCGGATGAGGCGCTTATGGCCCCGCTTGCCCCCTGGGCCCTTGGG
 CTTGGCGAAGGCTGCTTGAAGGCGTGTGCTTGGGTGCACCTCGTCGTAGAGGAATC
 TGCCGTGAGCTCTGCCCCATCGCAATCTCAATTTCTTGGCGATCTCCAGATGGAAGTC
 CTGCTCCACGGAGTCGAGGAGGCGGCTCTTGCAGCTGGAGTAGAGCATTGCTCCTTGTAT
 GCTGCACTTGTACCCCGCATGGAGTAGATGAACACTACAGACTCAGGGGGGTGCGCCCTC
 ATGGGTGTGCTTGTANAGGAAGAAGTGGTANNCGGCANCATCTCGNGCACCCGGGGAGG
 CAGCTGGGCCACATCCCGTGGCTCTGTGTGCACAGCTCAATGGTTTCCGCTCTAGGCCAG
 CTTATCTGGATGTAGTGACATCTTCTGCTGACTGCTGGATGCCCCCTGGGCCCTAGCTCA
 GGNGAAGCCAGGCTCAAGGCTGNGCTTGTTCATGATCTTGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_007284

Insert Size:

1750 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:	<u>NM_007284.3, NP_009215.1</u>
RefSeq Size:	1659 bp
RefSeq ORF:	1050 bp
Locus ID:	11344
UniProt ID:	<u>Q6IBS0</u>
Cytogenetics:	3p21.2
Domains:	ADF
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene was identified by its interaction with the catalytic domain of protein kinase C-zeta. The encoded protein contains an actin-binding site and an ATP-binding site. It is most closely related to twinfilin (PTK9), a conserved actin monomer-binding protein. [provided by RefSeq, Jul 2008]