

Product datasheet for **SC317613**

PTK9 (TWF1) (NM_002822) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTK9 (TWF1) (NM_002822) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTK9
Synonyms:	A6; PTK9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002822 edited
CAAGAGCAGAAGCAGGACCCCAAGCAGAGAAGTAGGATAGCGAGGCCGGGGCTGGACCG
CAGCCCGCGGCCAGGAAGGGCGGGCGGGGACGCTCGGGCACTCAGTCAACCT
CACGGGGCGGGCGGCCGCGGGTTCGCGGGCGGATGACGCGCCGGGCGCGGAGAGCA
GCCACTTCTGGGGCGCGGCCGGGGCGCTGGCTGCACTCAGCGCCGAGCCGGGAGC
TAGCGGCCCGCCATGTCCCACAGACCGGCATCCAAGCAAGTGAAGATGTTAAAGAGA
TCTTTGCCAGAGCCAGAAATGGAAAGTACAGACTTCTGAAAATATCTATTGAAAATGAGC
AACTTGTGATTGGATCATATAGTCAGCCTTCAGATTCTGGGATAAAGATTATGATTCTCT
TTGTTTTACCCCTGTTGGAGGACAAACAACCATGCTATATATTATTCAGGTTAGATTCTC
AGAATGCCAGGGATATGAATGGATATTCATTGCATGGTCTCCAGATCATTCTCATGTTCT
GTCAAAAATGTTGTATGCAGCAACAAGAGCAACTCTGAAGAAGGAATTTGGAGGTGGCC
ACATTAAGATGAAGTATTTGGAACAGTAAAGGAAGATGTATCATTACATGGATATAAAA
AATACTTGCTGTCACAATCTTCCCTGCCCCACTGACTGCAGCTGAGGAAGAACTACGAC
AGATTAATAATCAATGAGGTACAGACTGACGTGGGTGTGGACACTAAGCATCAAACACTAC
AAGGAGTAGCATTTCCTTTCTCGAGAAGCCTTTTCAGGCTTTGGAAAAATTGAATAATA
GACAGCTCAACTATGTGCAGTTGGAAATAGATATAAAAATGAAATTATAATTTGGCCA
ACACAACAATACAGAACTGAAAGATTTGCCAAAGAGGATTCCCAAGGATTCAGCTCGTT
ACCATTTCTTTCTGTATAAATCTCCATGAAGGAGACTATTTAGAGTCCATAGTTTTTA
TTTATTCAATGCCTGGATACACATGCAGTATAAGAGAGCGGATGCTGTATTCTAGCTGCA
AGAGCCGTCTGCTAGAAATTTAGAAAAGCAACTACAAATGGATGTAATTAGAAAAGATCG
AGATAGACAATGGGGATGAGTTGACTGCAGACTTCTTTTATGAAGAAGTACATCCCAAGC
AGCATGCACACAAGCAAAGTTTTGCAAAACCAAAGGTCTGCAGGAAAAAGAGGAATTC
GAAGACTAATTAGGGGCCAGCGGAAACTGAAGCTACTACTGATTAAGTCATCACATTA
AACATTGTAATACTAGTTTTTTAAAAGTCCAGCTTTTAGTACAGGAGAACTGAAATCATT
CCATGTTGATATAAAGTAGGGAAAAAATTTGACTTTTTGGAAAATAGCACTTTTCACTT
CTGTGTGTTTTTAAAATTAATGTTATAGAAGACTCATGATTTCTATTTTTGAGTTAAAGC
TAGAAAAGGGTTCAACATAATGTTTAAATTTGTCACACTGTTTTTCATAGCGTTGATTCCA



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CACTTCAAATACTTCTTAAAATTTTATACAGTTGGGCCAGTTCTAGAAAGTCTGATGTCT
 CAAAGGGTAAACTTACTACTTTCTTGTGGGACAGAAAGACCTTAAAATATTCATATTACT
 TAATGAATATGTTAAGGACCAGGCTAGAGTATTTTCTAAGCTGGAACCTTAGTGTGCCTT
 GGAAAAGGCCGCAAGTTGCTTACTCCGAGTAGCTGTGCTAGCTCTGTCAGACTGTAGGAT
 CATGTCTGCAACTTTTAGAAATAGTGCTTTATATTGCAGCAGTCTTTTATATTTGACTTT
 TTTTAAATAGCATTAAAATTGCAGATCAGCTCACTCTGAAACTTTAAGGGTACCAGATAT
 TTTCTATACTGCAGGATTTCTGATGACATTGAAAGACTTTAAACAGCCTTAGTAAATTAT
 CTTTCTAATGCTCTGTGAGGCCAAACATTATGTTTCAGATTGAAATTTAAATTAATCA
 TTCAAAAAGGAAACAAAAATGTTGAGTTTTAAAAATCAGGATTGACTTTTTTCTCCAAAA
 CCATACATTTATGGGCAAATTGTGTTCTTTATCACTTCCGAGCAAATACTCAGATTTAAA
 ATTACTTTAAAGTCTGGTACTTAACAGGCTAACGTAGATAAACACCTTAATAATCTCAG
 TTAATACTGTATTTCAAACACATTTAACTGTTTTCTAATGCTTTGCATTATCAGTTACA
 ACCTAGAGAGATTTTGGCCTCATATTTCTTTGATACTTGAATAGAGGGAGCTAGAACA
 CTTAATGTTAATCTGTTAAACCTGCTGCAAGAGCCATAACTTTGAGGCATTTTCTAAAT
 GAACTGTGGGGATCCAGGATTTGTAATTTCTTGATCTAACTTTATGCTGCATAAATCAC
 TTATCGGAAATGCACATTTTCATAGTGTGAAGCACTCATTTCTAAACCTTATTATCTAAGG
 TAATATATGCACCTTTCAGAAATTTGTGTTTCGAGTAAGTAAAGCATATTAGAATAATTGT
 GGGTTGACAGATTTTTAAAATAGAATTTAGAGTATTTGGGGTTTTGTTTGTTTACAAATA
 ATCAGACTATAATATTTAAACATGCAAAAATAACTGACAATAATGTTGCACCTGTTTACTA
 AAGATATAAGTTGTTCCATGGGTGTACACGTAGACAGACACACATACACCCAAATATTG
 CATTAGAATCCTGGAGCAGACCATAGCTGAAGCTGTTATTTTCAGTCAGGAAGACTACC
 TGTCATGAAGGTATAAAAATAATTTAGAAGTGAATGTTTTCTGTACCATCTATGTGCAAT
 TATACTAAATCCACTACACTACATTAAGTAAATGGACATTCCAGAATATAGATGTG
 ATTATAGTCTTAACTAATTATTATTAACCAATGATTGCTGAAAATCAGTGATGCATTT
 GTTATAGAGTATAACTCATCGTTTACAGTATGTTTTAGTTGGCAGTATCATACCTAGATG
 GTGAATAACATATTCCCAGTAAATTTATATAGCAGTGAAGAATTACATGCCTTCTGGTGG
 ACATTTTATAAGTGCATTTTATATCACAAATAAAAATTTTTTCTCTTTAAAAAAAAAAAAA
 AAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_002822
- Insert Size:** 3200 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_002822.3.
- 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_002822.3 , NP_002813.2
RefSeq Size:	3065 bp
RefSeq ORF:	1155 bp
Locus ID:	5756
UniProt ID:	Q12792
Cytogenetics:	12q12
Domains:	ADF
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes twinfilin, an actin monomer-binding protein conserved from yeast to mammals. Studies of the mouse counterpart suggest that this protein may be an actin monomer-binding protein, and its localization to cortical G-actin-rich structures may be regulated by the small GTPase RAC1. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>