

Product datasheet for RC232570

PTK9 (TWF1) (NM_001242397) Human Tagged ORF Clone

Product data:

| | |
|--------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | PTK9 (TWF1) (NM_001242397) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | TWF1 |
| Synonyms: | A6; PTK9 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RC232570 representing NM_001242397 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCACCAGACCGGCATCCAAGCAAGTGAAGATGTTAAAGAGATCTTGGCAGAGCCAGAAATGGAA
AGTACAGACTTCTGAAAATATCTATTGAAAATGAGCAACTGTGATTGGATCATATAGTCAGCCTTCAGA
TTCCTGGGATAAGGATTATGATTCCTTTGTTTTACCCCTGTTGGAGGACAAACAACCATGCTATATATTA
TTCAGGTTAGATTCTCAGAATGCCAGGATATGAATGGATATTCATTGCATGGTCTCCAGATCATTCTC
ATGTTTCGTCAAAAAATGTTGTATGCAGCAACAAGGCAACTCTGAAGAAGGAATTTGGAGGTGGCCACAT
TAAAGTGAAGTATTTGGAACAGTAAAGGAAGATGTATCATTACATGGATATAAAAAAATACTTGCTGTCA
CAATCTTCCCCTGCCCACTGACTGCAGCTGAGGAAGAACTACGACAGATTAATAAATGAGAGCCAG
AGGATCATATTGGGGTACAGACTGACGTGGGTGTGGACTAAGCATCAAACACTACAAGGAGTAGCATT
TCCCATTCTCGAGAAGCCTTTCAGGCTTTGGAAAAATGAATAATAGACAGCTCAACTATGTGCAGTTG
GAAATAGATATAAAAAATGAAATTAATTTTGCCCAACAACAATAACAGAACTGAAAGATTTGCCAA
AGAGGATTTCCAAGGATTCAGCTCGTTACCATTCTTTCTGTATAAACATTCCCATGAAGGAGACTATT
AGAGTCCATAGTTTTTTATTTCAATGCCTGGATACACATGCAGTATAAGAGAGCGGATGCTGTATTCT
AGCTGCAAGAGCCGTCTGCTAGAAATTGTAGAAAGACAACACTACAATGGATGTAATTAGAAAGATCGAGA
TAGACAATGGGGATGAGTTGACTGCAGACTTCTTTATGAAGAAGTACATCCCAAGCAGCATGCACACAA
GCAAAGTTTTGCAAAACCAAAGGTCCTGCAGGAAAAAGAGGAATTCGAAGACTAATTAGGGGCCAGCG
GAAACTGAAGCTACTACTGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC232570 representing NM_001242397
 Red=Cloning site Green=Tags(s)

MSHQTGIQASEDVKEIFARARNGKYRLLKISIEENQLVIGSYSQPSDSWDKDYDSFVLPLEDKQPCYIL
 FRLDSQNAQGYEWIFIAWSPDHSVHRQKMLYAATRATLKKEFGGGHIKDEVFGTVKEDVSLHGYKKYLLS
 QSSPAPLTAEEEELRQIKINESPEDHIGVQTDVGVDTKHQTLQGVAFPI SREAFQALEKLNRRQLNYYQL
 EIDIKNEI IILANTTNTLKDLPKRIPKDSARYHFFLYKHSHEGDYLESIVFIYSMPGYTCSIRERMLYS
 SCKSRLL EIVERQLQMDVIRKIEIDNGDEL TADFLYEEVHPKQHAHKQSF AKPKGPAGKRGIRRLIRGPA
 ETEATTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

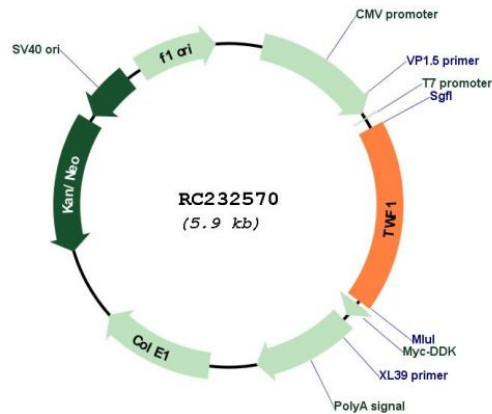
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001242397

| | |
|-------------------------------|---|
| ORF Size: | 1071 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | <ol style="list-style-type: none">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_001242397.2 |
| RefSeq Size: | 3083 bp |
| RefSeq ORF: | 1074 bp |
| Locus ID: | 5756 |
| UniProt ID: | Q12792 |
| Cytogenetics: | 12q12 |
| Protein Families: | Druggable Genome, Protein Kinase |
| MW: | 41.5 kDa |
| Gene Summary: | 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] |