

Product datasheet for **SC203416**

PPP1R16A (NM_032902) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PPP1R16A (NM_032902) Human 3' UTR Clone
Symbol: PPP1R16A
Synonyms: MYPT3
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_032902
Insert Size: 248 bp
Insert Sequence: >SC203416 3'UTR clone of NM_032902
The sequence shown below is from the reference sequence of NM_032902. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG  
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC  
GAGAGGAGGCCGTGCTGCCTGCTCATGTGAGGCTGTTGCTCAGCATGCAGGGGCCCTGTCGCGGGCACA  
GCCCAAGGCTGCCTCCCCACGGTGCCTGCCCTGGTGTGCGGGTGCAGCACGGAAACCCCGGCTTCTAC  
TGTACAGGACACTGGCCCTCTCAGGTCAGAAGACATGCCTGGAGGGATGTCTGGCTGCAAAGACTATT  
TTTATCCTGCAACTCTTGATAAAGGGCTGTTTTGCCATGGA  
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA  
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_032902.7](#)



[View online »](#)

Summary:

Myosin light chain kinase and phosphatase (MLCP) complexes control the phosphorylation states of regulatory myosin light chains, which is crucial for muscle and intracellular movement. MLCPs typically contain a catalytic protein phosphatase 1 (PP1c) subunit, a myosin phosphatase targeting (MYPT) subunit, and another smaller subunit. The protein encoded by this gene represents an MYPT subunit, which is responsible for directing PP1c to its intended targets. However, while the phosphorylation of other MYPT members results in PP1c inactivation, phosphorylation of the encoded protein by protein kinase A results in PP1c activation. [provided by RefSeq, Jan 2020]

Locus ID:

84988

MW:

8.8