

Product datasheet for **SC334570**

PPP1R7 (NM_001282414) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R7 (NM_001282414) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R7
Synonyms:	SDS22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282414, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGAACATGAGCTGCCTGTGGACATGAAAACCATCAACCTGGACAGAGATGCAGAGGATGTTGATT  
TGAATCACTATCGCATAGGGAAGATTGAAGGATTTGAGGACTGAAGAAAGTGAAGACTCTCGCTCCG  
CCAAAAATTTAATTAATGCATTGAGAATCTGGAGGAGCTACAGAGTCTTCGAGAGCTGGATCTTTACGAC  
AACAGATCAAGAAGATTGAGAATCTGGAGGCGCTAACAGAGCTGGAGATTCTAGATATTTCTTTAATC  
TGCTGAGAAACATCGAAGGGTTGACAAGTTGACACGACTGAAAAAACTTTCTTGGTCAACAATAAAAT  
CAGTAAAATTGAGAACTTAAGCAACTTACATCACTACAGATGCTAGAGCTGGGATCTAACCGCATCCGG  
GCAATCGAAAATATCGACACCTTAACCAACCTGGAGAGTTTGTTTTGGGAAAAACAAAATTACTAAAC  
TTCAGAACCTGGATGCGCTCACCAACCTGACAGTCTCAGTATGCAGAGCAACCGGCTGACCAAGATCGA  
GGGTCTGCAGAACCTGGTGAACCTGCGGGAGCTGTACCTTAGCCACAATGGCATCGAGGTCATCGAGGGC  
CTGGAGAACAATGTGCAGGACAGCCTCACGTACTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282414
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).



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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_001282414.1](#), [NP_001269343.1](#)

RefSeq Size: 920 bp

RefSeq ORF: 666 bp

Locus ID: 5510

UniProt ID: [Q15435](#)

Cytogenetics: 2q37.3

Protein Families: Druggable Genome, Phosphatase

Gene Summary: This gene encodes a protein subunit that regulates the activity of the serine/threonine phosphatase, protein phosphatase-1. The encoded protein is required for completion of the mitotic cycle and for targeting protein phosphatase-1 to mitotic kinetochores. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (7) differs in the 5' and 3' UTRs and has multiple coding region differences compared to variant 1. The encoded protein (isoform 7) is shorter and has distinct N- and C-termini compared to isoform 1.