

## Product datasheet for **SC334207**

### IPP 2 (PPP1R2) (NM\_001291505) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IPP 2 (PPP1R2) (NM_001291505) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R2
Synonyms:	IPP-2; IPP2; PPP1R2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291505, the custom clone sequence may differ by one or more nucleotides

```
ATGGCGCCTCGACGGCCTCGCACCGGCCATCAAGGGATCTTGAAGAACAAGACCTCTACGACTTCTCT  
CTATGGTGGCGTCGGCCGAACAGCCCGCGGAAATGTCGACGAGGAGCTGAGCAAAAAATCCCAGAAGTG  
GGATGAAATGAACATCTTGGCGACGTATCATCCAGCAGACAAAGACTATGGTTTAAATGAAAATAGATGAA  
CCAAGCACTCCTTACCATAGATTAGCTGCAGCTGAAGGCTTGGAGCCAAAGTATCGGATTCAGGAACAAG  
AAAGCAGTGGAGAGGAGGATAGTGACCTCTCACCTGAAGAACGAGAAAAAAGCGACAATTTGAAATGAA  
AAGGAAGCTTCACTACAATGAAGGACTCAATATCAAAGTACCCAGACAATTAATTTCAAAGACCTACAT  
GATGATGATGAAGATGAAGAAATGTTAGAGACTGCAGATGGAGAAAGCATGAATACGGAAGAATCAAATC  
AAGGATCTACTCCAAGTGACCAACAGCAAAACAATTACGAAGTTCATAG
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001291505
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:** [NM\\_001291505.1](#), [NP\\_001278434.1](#)

**RefSeq Size:** 3390 bp

**RefSeq ORF:** 540 bp

**Locus ID:** 5504

**Cytogenetics:** 3q29

**Protein Families:** Druggable Genome

**Gene Summary:** Protein phosphatase-1 (PP1) is one of the main eukaryotic serine/threonine phosphatases. The protein encoded by this gene binds to the catalytic subunit of PP1, strongly inhibiting its activity. Ten related pseudogenes have been found throughout the human genome. Several splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

**Transcript Variant:** This variant (3) lacks an alternate in-frame exon and uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.  
**Sequence Note:** The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.