

## Product datasheet for **SC330092**

### **INPP5F (NM\_001243195) Human Untagged Clone**

#### Product data:

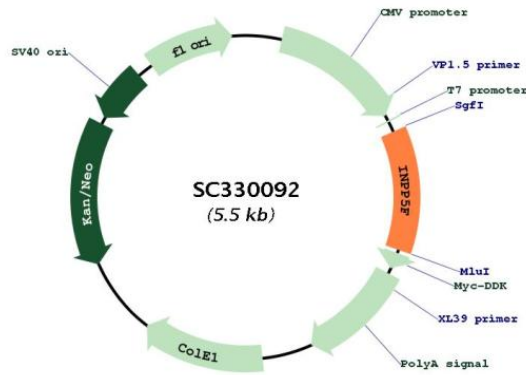
Product Type:	Expression Plasmids
Product Name:	INPP5F (NM_001243195) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP5F
Synonyms:	hSAC2; MSTP007; MSTPO47; SAC2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330092 representing NM_001243195. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGAGCTCTTCCAAGCCAAGGACCACTACATCCTGCAGCAGGGCGAGCGCGCTGTGGTGCAGCCGC  
CGCGACGGCGGCCTCCAGCTCCGACCCGCTACTGATCTACTTCTTGCCTGGAATCCCATTGTGGGG  
TTGGTAGAAGGTGTTATTGGGAAAATCAACTTCATTGATCTCCATGGTGGCTTATTCTAATTCGG  
CAGAAAGCATTGGTGGGCAAACCCAGGAGACCATGAGGTCTGTAAAGTTACCAAATGCTGTGCTC  
TCACTTTCTGAAATGGAACCTCAGGATCTTGGCTAGAGCTCTGTAAGAAGCATCATTTTGGTATTAAC  
AAACCAGAGAAGATCATACCATCTCCTGATGACTCAAAGTTTCTACTGAAGACCTTACGCATATTAAC  
TCCAATGTGTCTGCTCCTAATAAAAAGAAAGTTAAGGAAAGTAAAGAGAAGGAGAAGTTGGAGAGGAGA  
TTACTTGAAGAGTTGCTGAAGATGTTTCATGGACTCAGAATCCTTTTATTATAGCTTGACCTATGACCTG  
ACCAATCCGTGCAGAGGCAGAGCACTGGGGAGAGGGACGGTCGGCCCCTCTGGCAGAAGGTACCACTC  
ACAGCTCGTAGAGCAGGGTTTGCCTTGGGAAGAAGTGA
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001243195

**Insert Size:** 660 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).

**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\\_001243195.1](#)

**RefSeq Size:** 1000 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 22876

**UniProt ID:** [Q9Y2H2](#)

**Cytogenetics:** 10q26.11

**Protein Families:** Druggable Genome

**MW:** 25.2 kDa

**Gene Summary:** The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase and contains a Sac domain. The activity of this protein is specific for phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (3) differs in the 3' UTR and lacks a portion of the 3' coding region, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.