

Product datasheet for **SC111770**

INPP5F (NM_014937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPP5F (NM_014937) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP5F
Synonyms:	hSAC2; MSTP007; MSTPO47; SAC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014937, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGCTCTTCCAAGCCAAGGACCACTACATCCTGCAGCAGGGCGAGCGCGCTGTGGTGCAGCCGCC
GCGACGGCGGCCTCCAGCTCCGACCCGCTACTGATCTACTTCTTGCCCTGGAATCCCATTTGTTGGGGTT
GGTAGAAGGTGTTATTGGGAAAATTCAACTTCATTAGATCTTCCATGGTGGCTTATTCTAATTCGGCAG
AAAGCATTGGTGGGCAAACTCCCAGGAGACCATGAGGTCTGTAAGATTACAAAATTGCTGTGCTCTCAC
TTTCTGAAATGGAACCTCAGGATCTTGAGCTAGAGCTCTGTAAGAAGCATCATTTTGGTATTAACAAACC
AGAGAAGATCATACCATCTCCTGATGACTCAAAGTTTCTACTGAAGACCTTTACGCATATTAATCCAAT
GTGTCTGCTCCTAATAAAAAGAAAAGTTAAGGAAAAGTAAAGAGAAGGAGAAGTTGGAGAGGAGATTCTTG
AAGAGTTGCTGAAGATGTTTCATGGACTCAGAATCCTTTTATTATAGCTTGACCTATGACCTGACCAATTC
CGTGCAGAGGCAGAGCACTGGGGAGAGGGACGGTCCGGCCCTCTGGCAGAAGGTTGATGACCGATTTTTT
TGGAAATAATACATGATACAAGATCTTACTGAGATTGGTACTCCAGATGTGGACTTTTGGATTATCCCCA
TGATCCAAGGTTTTGTGCAGATTGAAGAACTTGTGGTTAATTATACCGAATCATCTGATGATGAGAAAAG
CAGCCCAGAGACCCCTCAGGAGTCCACCTGTGTAGATGATATCACCCACGATTTCTAGTGGCTCTC
ATTTACGCCGAAGTAGGCACAGAGCAGGAATGCGCTATAAACGAAGAGGAGTGGATAAAAATGGAATG
TTGCCAATTATGTGGAGACTGAGCAGTTGATTCATGTTTCAATCATACCCTGTCAATTTGTTCAAACAGC
AGGCTCTGTGCCCTGTCTTTGGAGCCAGTTGGGTATCGATATAACCCAAGACCGCGCTGGACAGAAGT
GAAAAGGAAACTGTTGCCTATTTCTGTGCCATTTGGAAGAACAACCTGAACATTTACAAAAACAGGTTA
TTATTAACCTGGTAGACCAGGCAGGAAGAGAGAAGATTATTGGCGATGCTTACCTGAAGCAAGTGTGCT
TTTCAACAACCTCACACCTCACTTACGTTTCGTTTACTTCCATGAGCACTGCCGAGGAATGAAGTTTGAG
AATGTTTACAGACTAACAGATGCCATTTATGACATTATTCTTGATATGAAGTGGTGTGGGTTGATGAAG
CTGGGGTAATATGTAAGCAGGAAGGGATTTTTCGTGTTAATTGTATGACTGCCTGGATCGCACCAACGT
GGTCCAAGCTGCCATCGCGAGAGTGGTCATGGAACAGCAGCTGAAAAAATTAGGTGTGATGCCCCGGAA
CAGCCATTACCTGTGAAATGTAATCGCATCTACCAGATAATGTGGCCAATAATGGTACTCCATTAGCA
GACAGTATGCTGGGACAGCTGCTCTGAAGGGTACTTTACAAGGACAGGAGAAAGGAAGTTAGCAGGAGT
```



[View online >](#)

TATGAAAGATGGAGTGAACCTCAGCAAACAGATATTACCTCAACCGATTTAAGGATGCTTATAGGCAAGCT
 GTTATAGATTTGATGCAAGGCATTCCAGTGACAGAAGATCTTTATTCCATATTTACCAAGGAGAAAGAAC
 ATGAAGCTTTGCATAAGGAAAATCAGAGAAGCCACCAGGAACTAATTAGCCAGCTTTACAAAGTTACAT
 GAAGTTACTACTGCCTGATGATGAGAAGTTCATGGGGCTGGGCCCTCATTGACTGTGACCCTAGCCTC
 ATTGATGCTACTCACAGAGACGTGGATGTGCTGTTACTGCTTTCTAACTGCTACTACGTGGCCTATT
 ATGATGATGAAGTTGATAAAGTAAACCAGTATCAACGACTAAGTCTAGAAAACCTGGAAAAAATTGAAAT
 AGGCCCTGAACCCACTCTTTTTGGTAAGCCAAAGTTCTCCTGCATGCGACTGCATACAGATACAAAGAA
 GCGAGTGGCTATTTCCACACATTGCGAGCTGTAATGCGTAATCCTGAAGAGGATGGAAAAAGATACCCTTC
 AGTGCATTGCAGAGATGCTGCAGATCACCAAGCAAGCCATGGGATCGGATTTACCCATAATTGAGAAGAA
 ACTTGAGAGGAAGAGCAGTAAACCTCACGAAGACATCATTGGTATCAGGTCTCAAAACCAAGGTTCTTTG
 GCCCAGGGAAAGAATTTTTAATGAGCAAATTTTCATCTCTAAATCAAAAAGTGAAGCAGACCAAATCCA
 ATGTAATATTGGCAACCTCCGAAAGCTAGGAACTTTACCAAACCTGAAATGAAAGTTAACTTTCTAAA
 ACCAAACTTAAAAGTAAATCTTTGGAAATCAGATAGTAGTCTTGAACCTATGGAAAACACAGGAGTGATG
 GATAAGGTTCAGGCAGAGTCTGATGGGGACATGTCTTCAGATAATGACTCATACCACTCTGATGAATTCC
 TTACAAATTTAAGTCTGATGAAGACAGGCAGCTAGCTAACTCATTAGAGAGTGTAGGGCCAATAGATTA
 CGTTCTTCTAGTGTGGTATTATTGCCTCAGCGCCTCGATTGGGCAAGTCCGGTCCCAGTCTTTAGCAGC
 ACAGATAGTAGCGTTCATGCTCCTTCAGAGATTACTGTTGCTCATGGGAGTGGGCTTGGAAAAGGCCAGG
 AGTCTCCTTTGAAGAAAAGTCTTCTGCTGGCGACGTACACATATTGACTGGCTTTGCCAAGCCTATGGA
 TATTTACTGCCACAGATTTGTGCAAGATGCACAGAACAAGTGACCCACCTATCAGAGACCAGATCTGTG
 TCTCAGCAGGCTAGTCAGGAAAGAAATCAAATGACCAATCAAGTTTCAAATGAAACCCAATCAGAATCAA
 CAGAACAGACACCTTCTCGGCCATCGCAATTAGATGTCTCTCTTTCTGCAACAGGCCACAGTTTTGTG
 AGTTGAGCCAGCGCATTCAAGTTGCATCTCAAAAACCCCCACCTCCGCTTCCAGCATGCTTGAACCTGAG
 ACAGGGCTTCATGTAACCTCTTCTCCTTCAGAGAGCAGTGCAGCAGAGCAGTCTCCTCCTTTGCCAAGA
 TTGGAAGTTCCATGGTCCAGGTTGCTAGTATTACCCAAGCTGGATTAACCCATGGGATAAACTTTGCAAGT
 GTCAAAAGTTCAGAAGAGTCTCCAGAACCTGAAATCATTAAATCAAGTCCAGCAAATGAACTTAAAAAG
 ATGTTTATACAATGCCAGACACGGATAATTCAGATTTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014937 unedited
 NTTTTCAAATTTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGGCCCCGCGG
 GCCGCGCCTCCCTGGGCGCGGGGCCAGCATGGAGCTTTCCAAGCCAAGGACCACTA
 CATCCTGCAGCAGGGCGAGCGCGCTGTGGTGCAGCCGCGCAGCGCGCCTCCAGCT
 CCGACCCGCTACTGATCTACTTCTTGCCTGGAATCCCATTGTTGGGGTTGGTAGAAGG
 TGTTATTGGGAAAATTCAACTTCATTTCAGCATCTCTATTCTGTTGCCAGGCTGGAGTG
 CAGTGGTGTGATCATGGCTCGCTGCGGCCTCGACCTCTCTCGGCTCAGATCTTCCATGGT
 GGCTTATTCTAATTCGGCAGAAAGCATTGGTGGGCAAACCTCCAGGAGACCATGAGGTCT
 GTAAGCTACCAAATGCTGTGCTCTCACTTTCTGAAATGGAACCTCAGGATCTTGAGC
 TAGAGCTCTGTAAGAAGCATATTTTGGTATTAACAAACCAGAGAAGATCATACCATCTC
 CTGATGACTCAAAGCTTCTACTGAAGACCCTTACGCATATTAATCCAACGTGTCTCGCT
 CCTACAAAACAAAGCCACGAACGCCCGACACGCCACCCTGCAACCGGACAACACCC
 GCACCATTCGCTAAGATCCCCCTCGCCCCACAACCCCTCCTCAACCCCCCCCCCCCCAC
 CTCCACTTCCCCCCCCCCCCCTCCCTTTGCCCCACCCATCCCCCCCCCCCCCCCCC
 CCGCCCTCCACACCAACCTTACCCACCAACCCACCCCTCCATAATACCCCCCACCC
 CCCCCCCCCCCCCCCCCCTCTCTTTCCCCTCCCTTACCCCCCTCCCCCTTCC
 ACCC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014937 unedited GTACCGCGGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTCACTTTAAATTACA ATGGTACTTTATTTTAATAATCACAAGATTTAACACGTAAAAAAGATAGCACTAATA AATAACAAAAGTGAATGCTTATCAAAGTAACGACATAATGTTTCAGTTGAGAATCAGTCA CTTCAACAGAGTAAAGCTCTAAAGACACCAGACGAACCAATACTGTTGGAATATGCCAT ACAACCTTCTTACTGTGGGATTACAGGGCAGCCCTGGTCTGTGTGGTCAGAGTTATA GTCAGACAGATTCAGACAATTGTGTTTCAGACTAAATTGTTTTGAGACACGGTCTTGC TCTGTCCCCCAGGCTGGAGGTCAGTGGCACGATCACAGCTCACTGCAGCCTCAATCTCAT GGGCTCAAGCAATCCTCCTGCATAGCTAGAAACACAGGCATGCACCACTATGCCAGCTA ATTTTTGTATTTTTTGTAGAGACAGATGTTTCCAGGCTGGTCTCAAACTCCTGGCCT CCCAAAGTGTGGGATTATAGGTGTGAGCCACTGCACTAGGCCCAGACTAAATTTGAAG TTGTGGATCATCTACATAAGATGTCGAGGATGCCCTCCTGGAATAAATAAAACCTGAC TGACTTCTAGAATTTCCAGTAGCCAATATGGGGTGTCTTACATTCTGAAAACAGCANA ATGAAACCTAATAGGTGCTGGTATTCACCTCTGATGTATCANGGTTACTGTGTGACAAGT CTTAATGCTCCTAGGTTTACATTGTATAGGCAGCAGAGTATTTTTATGTGTTCAAGTAGA TACGGGGAAAATAGGATCAATGAGATTCCTTCTCTATGGCATAACCCTCACTTCTCAGGAA CGTTAGCCTAACTAAATGCTTATTT
Restriction Sites:	NotI-NotI
ACCN:	NM_014937
Insert Size:	5120 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:	<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_014937.2 , NP_055752.1
RefSeq Size:	4955 bp
RefSeq ORF:	3399 bp
Locus ID:	22876
UniProt ID:	Q9Y2H2
Cytogenetics:	10q26.11
Domains:	Syja_N
Protein Families:	Druggable Genome

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 (1) represents the longest transcript and encodes the longest 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.