

Product datasheet for **RC232178**

INPP5F (NM_001243195) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: INPP5F (NM_001243195) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: INPP5F
Synonyms: hSAC2; MSTP007; MSTPO47; SAC2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC232178 representing NM_001243195
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTCTTCCAAGCCAAGGACCACTACATCCTGCAGCAGGGCGAGCGCGCTGTGGTGCAGCCGCC
GCGACGGCGCCCTCCAGCTCCGACCCGCTACTGATCTACTTCTTGCTGGAATCCCATTTGTTGGGGTT
GGTAGAAGGTGTTATTGGGAAAATCAACTTCATTCAGATCTTCCATGGTGGCTTATTCTAATTCGGCAG
AAAGCATTGGTGGCAAACCTCCAGGAGACCATGAGGTCTGTAAGTTACCAAAATTGCTGTGCTCTCAC
TTTCTGAAATGGAACCTCAGGATCTTGAGCTAGAGCTCTGTAAGAAGCATCATTTTGGTATTAACAAACC
AGAGAAGATCATACCATCTCCTGATGACTCAAAGTTTCTACTGAAGACCTTTACGCATATTAATCCAAT
GTGTCTGCTCCTAATAAAAAGAAAGTTAAGGAAAGTAAAGAGAAGGAGAAGTTGGAGAGGAGATTCTTG
AAGAGTTGCTGAAGATGTTTCATGGACTCAGAATCCTTTTATTATAGCTTGACCTATGACCTGACCAATTC
CGTGCAGAGGCAGAGCACTGGGGAGAGGGACGGTCGGCCCTCTGGCAGAAGGTACCACCTCACAGCTCGT
AGAGCAGGGTTTGCACTTGGGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232178 representing NM_001243195
Red=Cloning site Green=Tags(s)

MELFQAKDHYILQQGERALWCSRDDGGLQRPATDLLLAWNPICLGLVEGVIGKIQLHSDLPWWLILIRQ
 KALVGKLPGDHEVCKVTKIAVLSLSEMEPQDLELELCCKHHFGINKPEKIIPSPDDSKFLLKTFTHIKSN
 VSAPNKKVKESKEKEKLERRLLEELLKMFMDSESFYYSLTYDLTNSVQRQSTGERDGRPLWQKVPLTAR
 RAGFALGKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

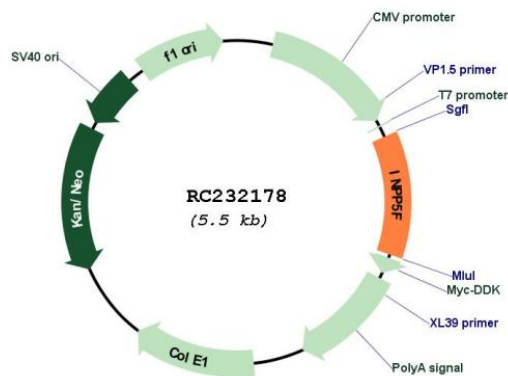
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243195

ORF Size: 657 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001243195.1 , NP_001230124.1
RefSeq Size:	1000 bp
RefSeq ORF:	660 bp
Locus ID:	22876
UniProt ID:	Q9Y2H2
Cytogenetics:	10q26.11
Protein Families:	Druggable Genome
MW:	25.6 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]