

## Product datasheet for **RG232178**

### INPP5F (NM\_001243195) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	INPP5F (NM_001243195) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	INPP5F
Synonyms:	hSAC2; MSTP007; MSTPO47; SAC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232178 representing NM_001243195 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCTCTTCCAAGCCAAGGACCACTACATCCTGCAGCAGGGCGAGCGCGCTGTGGTGCAGCCGCC  
GCGACGGCGGCCCTCCAGCTCCGACCCGCTACTGATCTACTTCTTGCTGGAATCCCATTTGTTGGGGTT  
GGTAGAAGGTGTTATTGGGAAAATTCACTTCATTCAGATCTCCATGGTGGCTTATTCTAATTCGGCAG  
AAAGCATTGGTGGCAAACCTCCAGGAGACCATGAGGTCTGTAAGTTACAAAATTGCTGTGCTCTCAC  
TTTCTGAAATGGAACCTCAGGATCTTGAGCTAGAGCTCTGTAAGAAGCATCATTTTGGTATTAACAACC  
AGAGAAGATCATACCATCTCCTGATGACTCAAAGTTTCTACTGAAGACCTTTACGCATATTAATCCAAT  
GTGTCTGCTCCTAATAAAAAGAAAGTTAAGGAAAGTAAAGAGAAGGAGAAGTTGGAGAGGAGATTCTTG  
AAGAGTTGCTGAAGATGTTTCATGGACTCAGAATCCTTTTATTATAGCTTGACCTATGACCTGACCAATTC  
CGTGCAGAGGCAGAGCACTGGGGAGAGGGACGGTCGGCCCTCTGGCAGAAGGTACCACTCACAGCTCGT  
AGAGCAGGGTTTGCACTTGGGAAGAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG232178 representing NM\_001243195  
Red=Cloning site Green=Tags(s)

MELFQAKDHYILQQGERALWCSRDDGGLQLRPATDLLLAWNPICLGLVEGVIGKIQLHSDLPWWLILIRQ  
 KALVGKLPDHEVCKVTKIAVLSLSEMEPQDLELELCCKHHFGINKPEKIIPSPDDSKFLLKFTTHIKSN  
 VSAPNKKVKESKEKEKLERLLLELLKMFMDSESFYYSLTYDLTNSVQRQSTGERDGRPLWQKVPLTAR  
 RAGFALGKK

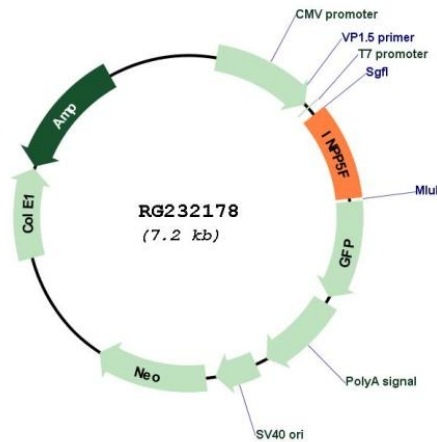
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001243195

**ORF Size:** 657 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001243195.1</a> , <a href="#">NP_001230124.1</a>
<b>RefSeq Size:</b>	1000 bp
<b>RefSeq ORF:</b>	660 bp
<b>Locus ID:</b>	22876
<b>UniProt ID:</b>	<a href="#">Q9Y2H2</a>
<b>Cytogenetics:</b>	10q26.11
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]