

## Product datasheet for **MC202892**

### Inpp5b (NM\_008385) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Inpp5b (NM\_008385) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Inpp5b  
**Synonyms:** 5PTase; 75kD; AW260155; INPP5P  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC028864 sequence for NM\_008385  
CGGAGGTGTCCTGCAGGCCACCGGTGACAGCTCGGGAGCCCCCGAAGCAGCTCTAATACGGAATGGGA  
GGTTCCACCTGCCCTACCCAGGTTTACAGCTCAGCATGGACCAGTCTGTGGCAATCCAGGAGACCC  
TGGTTGAGGGGAATACTGCGTCATCGCAGTCCAAGGTGTGCTGTGTAAGGGAGATAGCCCGCAGAGCCG  
CCTGCTCGGGCTGGTGAAGTACCGGCTGGAAAATGACGCCAGGAGCATGCTCTCTTCTGTATACACAC  
CGGAGGATGGCCATCACAGGAGACGATGTATCTCTGGACCAGATAGTGCCACTCTCAAAAGATTTTATGC  
TGAAGAAGTGTCCCGAGATGGTGAACCTACATCCTTGGCTCTGATGTGACAGTACAATTGAACACAGC  
TGAACCAAGCTTGATTTCCAACCTCCCTTTGGTTACACACCAGAACGTTCTCCAGGAAGTGGCCAGA  
GCCTGTCCAGGTTTCGACCCTGAGACGCGGGATCCCGAGTTCGAGTGGCTGTCAAGACACACATGCGCGG  
AGCCCGATGCCGAGTCCCGAAACCGCGGAGTGAATTCGACCCGGTACCCGAGTGGGTTCCGCGCC  
CATTGGAGGAAGCAGGCATCAGTCTCGGAATGCACGGCGAGGATTGGAGGATGTCTTGCCTAGGGGCCCT  
GGCTACATTCTGCTTTGGGGCGGAGCCGCTGAGGAGCCGGAATTTCTATTGGCGGAGGAGATGCATGAGG  
GCGGGCCTGTGAGAGGACGGAGACCGCTCGCCGGCGGGGATGAAGCGCTTGAGGAAGCAGACTGGGA  
AATGTCCGAGCGGCGGCTCTCGGGAGCGGACTGTGACGGCGTTTCTAACGTCGACAGCTCGAGGCCA  
AATGGGAGGGGCCGGACCAACCTCCGGAGCCAGGTGTCCGGAGAAACCAGAAAACCTCTCTACAAGAC  
AGAATAAATCTAAGTCTGACATGTCTGAAAAGTTGCTCCGCCACAGTACAGTATCGGACAAGGCTCA  
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AATTATACCTACATCCAGAACCTCAGGTTTTTTGTGGAACTACAATGTGAACGGACAGTCCCCCAAAG  
AATGCTCCGGCCCTGGCTGAGCCACAGCGCCCTGGCCCCGACGTGTACTGTAGGTTCCAGGAGCT  
CGACCTGAGTAAGGAAGCCTTCTTTTACAGTACCCCAAGGAGGAAGAGTGGTTTAAGGCCGTGTCA  
GAAAGCCTTACCCAGACGCCAAGTACGCAAAGGTGAAGTTCGTCCGACTGGTTGGGATTATGTTGCTGC  
TGTACGTCAAACAGGAACATGCAGCCTATATCTCAGAAGTGAAGCTGAGACCGTAGGGACAGGAATCAT  
GGGAAGGATGGTAACAAAGGAGGAGTGGCGATCAGGTTCCAGCTGCACAACACCAGCATCTGCGTTGTC  
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GAATGCAGTTCCCTCAGGTGGATCCGAGCAACCCCTCTCACCATTAACAAGCATGATGTGATCTGTG  
GCTGGGAGACCTCAACTACAGGATAGAAGAGCTGGATGTGGAAAGGTGAAAAGCTCGTGAAGAGAAG  
GCCTTCAAACCTGTATGCGCACGACCAGCTAAAATCCAGGTGGCTGCCAGGACCATCTTTGATGGCT



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TCACCGAGGGTGAGATTACATTCACGCCTACTTACAAGTACGATACTGGCTCTGACGACTGGGACACCAG
TGAGAAGTGTCTGCACCGGCCTGGTGTGACCGAATCCTGTGGAAGGAAAGAACATCACTCAGCTGAGT
TACCAGAGCCACATGGCCTTGAAGACCAGTGACCACAAGCCTGTGAGCTCAGTGTGGGTTGACATTGGGGTGA
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TGAGATTGAACCTTGAGCTTTTTGTAATAAGTCTACTGCCACAAAACCTCAACTCAGGCAAGGACACGATT
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TAACCCTCCCAGCTTCCACAAAATGTCTTCACTACTTGATGGCGTTTTTGAAGAAGTCTGAAAAA
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TTTTATTTAAAAGTTTTAAGTAACTGTACTTTGCCTTATTCAGCCAGCCTCCAGGACATGCAGTCAGTGA
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GGCTTGGGGCGGCAAGACTCTGCTTAGAGTTCCTGGATAAACAACCTTTAGCCATCCAGATGCTCCAC
TGTCCAAGCCGCAAAACATGTTTCATGCATAGGGCACCTGTTCCCTTCTGCTCAACTCCAAGGCCTCTCAG
TCGCCCCCAAGAGCACTGAAGAAAGGGGTTCTGGTGAACAAGTGGGATTTTGTAGGATATCCAGTCTCT
CCCAACTGTATATAATGCAGCACCTCTCATATATGTAATATATTTAATGAAAATGTATTTTAAATGGTG
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_008385
- Insert Size:** 2982 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:** [BC028864](#), [AAH28864](#)

RefSeq Size: 3826 bp

RefSeq ORF: 2982 bp

Locus ID: 16330

UniProt ID: [Q8K337](#)

Cytogenetics: 4 57.89 cM

**Gene Summary:** This gene encodes a member of the inositol polyphosphate-5-phosphatase (INPP5) family. This protein hydrolyzes the 5' phosphate from phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol-1,4,5-trisphosphate, which results in changes to multiple signaling pathways. This protein may be involved in protein trafficking and secretion. Homozygous knockout mice exhibit impaired spermatogenesis and male sterility. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2014]  
Transcript Variant: This variant (1) represents the shorter transcript and encodes the protein.