

## Product datasheet for MC203470

### Inpp5e (NM\_033134) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp5e (NM_033134) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Inpp5e
Synonyms:	72kDa; 1200002L24Rik; mKIAA0123
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC052717

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AGCCAGGGTGACCACTAGACTGAGCTGGGGCGAACCCCTGGGCGGGGGCGGGGGCCGAGGCACGGGGCCGC
AGTCGTTGTTCCAGCTGCCACCGTGACTGGCCTAGGTCCGCTCCGCCAGCGCTGGGCCCGCTGAATCA
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AGGGGGCCCTGGGCGTCAGCTTCACCTTTTTTGGCACCTCCTTCCTTTCATCACATCTCACTTCACCTC
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TACAAAAAAAAAAAAAAAAAAAAA

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**Restriction Sites:**

Ascl-NotI

**ACCN:**

NM\_033134

**Insert Size:**

1944 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:** [BC052717](#), [AAH52717](#)

**RefSeq Size:** 4155 bp

**RefSeq ORF:** 1944 bp

**Locus ID:** 64436

**UniProt ID:** [Q9JII1](#)

**Cytogenetics:** 2 A3

**Gene Summary:** Phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-phosphate of phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P3), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Specific for lipid substrates, inactive towards water soluble inositol phosphates. Specific for lipid substrates, inactive towards water soluble inositol phosphates (By similarity) (PubMed:10806194). Plays an essential role in the primary cilium by controlling ciliary growth and phosphoinositide 3-kinase (PI3K) signaling and stability (PubMed:19668215). [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (a).