

Product datasheet for **RN207634**

Inpp4b (NM_053917) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp4b (NM_053917) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Inpp4b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207634 representing NM_053917
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAATCAAAGAGGAAGGAACGTGAGAAAGGCCAGCATTTTCTCCAGCAGCTCAGGCAAATGACC
 CTGAGGACATTCAGTTTACCAGCATCCAGAAGAGTCCCAATGAGCCACAGTTGGAATTCATTCTTGCTG
 CAAGGACCTTGTGGCTCCTGTCAGTGATCGGAACTGAATACAGTACAGGTCTCAGTAAATCCACCCC
 GTGGAGCAGACCTGACGAGGACTCCAGCACAGAAATTTGGAGGGAACAAAAGACCCACTGTTCTGA
 CAGGCGTCACATTCATCCGACTACCCCATCTATGAAGAGACAAGAATAAACTGACAGTCTATGATGT
 CAAGGATAAGCCGCATGATACTATTGAAACAGTGTCTTCCGGAACACAAGGATCCCCGCCAGAAGTT
 GCGAGAAGCTTCTGGGCTGTGCCAGCTTAAAGTCGGGAGCTGCTGAAGTCCAAGGAGCAACTGCTGT
 CCCTGAGCCTGAGGACCTCAGATGGTGGCAAAGTGGTCCGACCATAAGAAGTCAGCCTCGTGAAGATGGG
 GGAGATTGAGGATGGGGACCCGACCACATCACAACAGACGTGCAGGGACAAAAGTGTGCCCTAGTGTAT
 GATTCTACCGCACCAGAGAGTCTGAGTGGGAAGGAAAACCTACCTTTTCATGAACGAGTGTAAAGGAATC
 CTGTGTGTAAACTGTACAGATTCACACGCTGTGACAATAAGTGGATGCGAATCCGTGAGCAGATGTCAGA
 AAGCATCCTTTCTTTTATATTCTAAGGAATGATTTCCCTTCACATCAAAGAAGACCTATGCAGAAAC
 CAGGAGTTAAAGAAGTGGTGACCTTTCTCCACTGGGACAACCTACGGAACAATGTCCTTTCTCACT
 GTGATCAAATGGTGACTATGTACCAAGATATTCTGACAGAAGTTTCCAAGGAAACGGGGTCTCCTTCAA
 ATCCAGCAGCAGCAAAGGAGAGAAAACATTAGAATTTGTTCCAATAAACCTGCACCTGCAACGGATGCG
 GTGCACAGCCCTCACCTGAAAGATGCTCTCTATGATGTCATCACTGTGGGGCCCCAGCTGCCATTTTC
 AGGATTCAAAGAATGGTGGTCTTCGAAAACACTCCATAGATTTGAGACAGAGAGAGAAGGAAACCCGGTA
 CCAGTTTATTATTATTCGCCCGAGAACACGGCCAAGGCAAGGAAGTTCTCAGCAGCATCAATCAGCTG
 CAACCTCTCGTAGCGACTCATGCGGACCTGCTGCTAACCTCTGCCAGCCAGCATTCTCCTGACAGCTGA
 GGAGTTCTTAAAGCTGCTTTCAGAAAAACCGAGCTTTTGTGCATGCCTTCAAGGACCAGCTGGTCAG
 GAGTGCTCTTCTAGCTCTACTGCGAGGCCAGGAGGTATCCTTAGGAAGCCACCTTCTCCTAAGGTC
 AGCACAGAGGAGAAAAGTAGCCAGCATGATAGCCCGCAGCAGCTTAGAAGACAAGACTCCATACCACATC
 ACTCTGACTATGATGAGGAAGAGTGGGACAGGGTGTGGGCAACGTGGGAAAGAGCTAACTGTATTAT
 CGCTAAAGTTGACAACTGATCGAGAGAGACAGTCGCAACGACAAAAGTACTGGAGGCGACAGTAGCAAG
 GACGGAGATGCGGACCCTAACCTGGAAGATTCCCTCACATCCACCCAAGGGAGGACTGGTATGAACAGC
 TGACCCCACTCATCCTTACCTTGAAGGAGTGCATGGCAGAAGTGGTGAACCGAGCGAAGCAATCCCTGAC
 ATTTGTGCTGCTTCAGGAACTCGCTACAGTCTGCCCCAGTGTGATGCTGACTCTGAGGAGAGACATC
 GTCTTCAGTCAGGCGCTTCTGGATTGGTTGTGGTTTTATCATCAAACACACAAGTTTGCACGACC
 CTGGCTTCCCTCCAGCAGCTTACACAGTGGGCTTGATAGTGCAGTACGAAGGGCTGCTAAGCACTTACAG
 TGACGAAATCGGAATGCTGGAGGACATGGCTGTCGGCATTTCAGACTTAAAGGAAGTTCGCTTCAAATA
 ACGGAAGCCACATCCAATGATGTCCTCCCTGTTCTCACAGGAAGGCGGAACTACGTGGTGGAGGTCA
 AGCTTCCAGCGACAGTGTGAGTCGCTCCCTGCAAATTAAGAAGGCCAGTTGCTTCATGTGTATCC
 TGTTCTGTTAACGTTGGAATCAATGAGCAGCAGACTCTGGCCGAGAGGTTGAGATGTTCTTTGCAA
 GAAAGTATTAATCAAGAAAATTTGAGCTTGACAAGAATATTATCAATATTTATGAAAAGATGCCGC
 CTGATTATATTTACATTTTCAAGAACAAAATGATTTAAAAGGACTGTTGACAATCTCCACAAAATAT
 CCAAGCCAAGAAAAGAAAAATGTAGAAATCATGTGGCTGGCAGCAACGATTTGTCGAAAACCAATGGC
 ATTCGTTTTACCTGCTGCAAAAGTGCCAAAGACAGGACATCAATGTCAGTGACGCTGGAACAGTGTCCA
 TCCTGAGAGACGAGCATCAGCTCCACAAAGACTTTTTATCAGAGCATTAGATTGCATGAGGAGCAGACA
 AACCCAGGGGCTTGAATGAGTCGGATGATCCTGAGACAGGCTGCCTAAGCGATAACAAGCCGACTTCT
 CGACACTTCTACCCTGTCGCCCTGCTTCTGTCAGTTCACATCTGCTAGTTGTGTGGCTCATTTAAGTC
 TTGCTTACTCTTAGCCAAATACCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN:	NM_053917
Insert Size:	2829 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_053917.1 , NP_446369.1
RefSeq Size:	4398 bp
RefSeq ORF:	2829 bp
Locus ID:	116699
UniProt ID:	Q9QWG5
Cytogenetics:	19q11
Gene Summary:	enzyme that catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and inositol 3,4-bisphosphate [RGD, Feb 2006]