

## Product datasheet for **RN207509**

### **Inpp4a (NM\_031002) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Inpp4a (NM_031002) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Inpp4a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN207509 representing NM\_031002  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACAGCAAGAGAGCACAGCCCTCGCCATGGTGCCAGGCCCCGTGCGATGCAGCGGGCTTCCACCATTG  
 ACGTGACAGCCGACATGGTGGCCCTCTCTCGGACAGAAACATCCAAGACCCAGATGAGCCATTTTAGA  
 GTTCAGCTTAGCTTGCAGTGAGCTTCCACTCCATCGCTAGATCGAAAACCAAATAGTTTTGTGGCTGTG  
 AGTGTCACCACCCTCCACAGGCATTCTGGACGAAGCAGCGCAGACGGAGATCATCGAGGGAACCAACA  
 ACCCTATCTTTCTGAGCAGCATTGCCTTCTTCAAGACTCTCTCATCAATCAGATGACCCAGATCAAGCT  
 GTCAGTGTACGACGTCAAAGACAGATCTCAGGGAACAATGTAAGTGTGGCTCTGGAACATTCTGGTGC  
 AAAGACCTGCTCCAGGACAGGCATCACCGATTGCATCTGACACTGAGGTCTGCAGAGAGTGACCGAGTGC  
 GTAACATAACTGTGATCGGCTGGCAGATGGAGGAGAAGTCAGACCAGCAGCCCCCTGTACCCGGTCTCT  
 GGACACTGTCAATGGCAGGATGGTTTTGCCGTTGACGAGAGCTTGACCGAGGCCTTGGGAATCCGATCC  
 AAATATGCTTCTTTGCGAAAAGACAGCTTACTGAAAGCGGTGTTGGTGGTGCCATCTGCCGCATGTACC  
 GCTTCCCAACCACCGATGGCAACCACCTACGGATCCTGGAGCAGATGGCAGAGAGCGTCTCTCGTGCA  
 CGTGCCTCGGCAGTTTGTGAAGCTCCTGCTGGAAGAAGATGCAGCCAGAGTCTGTGAGTTGGAAGAGTTG  
 GGGGAGCTGTCCCTTGTGGGAGAGCCTCCGGCGCCAGATTGTCACCCAGTATCAGACTATTATCCTCA  
 CCTACCAGGAGAACCTGACTGACCTCCATCAGTACAAAGTCTTCTGTTAAAGCAAGCAGCTTGAAGC  
 AGATAAAAAGTTAGAATTCGTTCCACAAAACCTGCACATACAGAGGATGCGAGTTCAGGACGACGGCGGC  
 TCAGATCAGAACTACGACGTGTCACATTTGAGGCCAGCAGCACACTGCCAAGTTTTAAGTCAGGAG  
 GTCTTCGAAAAAAGCTGCACAAGTTTTGAAGAGGCCAAGAAGCACAGTTTTGAGGAGTGTGTACATCTTC  
 TACCTGCCAGTCCATAATCTACATACCACAGGATGTCGTCGGGCCAAGGAGATCATTGCTCAGATCAAC  
 ACCCTGAAAACCCAAGTGAAGTACTATGCAAGACGGCTCTCAAGGGCGGGAAGGACAGGCTGCCACTG  
 GCCTTGAGAGGACTCTCGCCATCTTGGCAGACAAGACTCGGCAGTTGGTACTGTCTGTACTGTAAGCT  
 GTTGGCCAACTCCATCCATGGGCTGAATGCAGCACGGCTGACTACATCGCTTCAAGGCCCTCCCTACC  
 TCGACTGAGGAGGAGCAGGTGATGCTTCGGAATGACCAGGACACCCTCATGGCCAGGTGGCAGGGAGGA  
 GCAGCCGGTCTTCCCTGCAGGTGGACTGGCATGAGGAAGAGTGGGAGAAAGTGTGGCTGAATGTGGACAA  
 GAGCCTGGAGTGCATCATTACGCGGTGGACAAGCTGCTGCAGAAGAACGTCTGCATGGGAGGGCGGC  
 GAGGATGTTTTCCCTGTTCAAGCACCTGTTCCAGCAAGAAAGATTGCAGCCCCCTCTGAAGAGTCTCT  
 GTCAGGTTGAGTGGAGCGAGGCCCTTACCTCTGCTGACCACCCTCACAGACTGTGTGGCCATGATGAG  
 CGACAAGGCCAAGGCAGCCATGGTCTTCTGCTCATGCAGACAGCTGCCCCACAATCGCCTTTACCTC  
 AGCCTGCAGTATCGCCGTGACGTCGTCTTCTGCCAAAACCTGACCGCCCTCATCTGTGGCTTTATCATCA  
 AGCTGAGGAACCTGCCTGCACGATGGTGGCTTCTACGGCAGCTCTATACCATCGGGCTCTGGCCAGTT  
 TGAGAGCTGTGACCTTTAAAGTCACTCAGGCCACTTCGAATGCTTCTAGTGACATGCTGCCAGTCA  
 CAGGAAACCGGATGGCTTTAACGTGCGGATTCCTCTGCCAGGCCACTGTTTACTCTCTCCCCAGAGA  
 GATCCAGAGCGGCATGCTGCTGCGGGTGCAGCCCGTCTTCAACGTGGGCATCAATGAGCAACAGACA  
 CTGGCCGAGAGGTTTGGAGACACATCCCTACAAGAAGTCAATCAATGTGGAGAGCCTGGTGGCTGAATT  
 CCTACTTTGAGCAGTTCAAGGAGTTTTGCCAGAGGACTGTCTACCTCGATCTCGGAGTCAGACCTGCCCT  
 TCCAGAGCTGCTGCGTTTTCTAGGACAGAATGTCCATGCACGCAAGAATAAGAATGTGGACATCCTCTGG  
 CAAGCTGCTGAGGTCTGTGCGCCCTTAATGGGGTCCGATTCACCAGCTGCAAGAGTGCCAAAGACCGCA  
 CAGCCATGTCGGTGACCTGGAGCAGTGTCTGATCCTGCAGCATGAGCACGGCATGGCCCCGAGGTCTT  
 CACACAAGCCCTGGAGTGCATGCGCAGTGAGGGTTGTGGCGAGAAAACACAATGAAGAATGTTGGAAGT  
 CGCAAATATGCATTTAACTCCCTGCAGCTGAAGGCCTTCCCAAGCATTACAGCCTCCAGAAGGGACTT  
 ACGAAAAGTTGAGACATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

<b>ACCN:</b>	NM_031002
<b>Insert Size:</b>	2820 bp
<b>OTI Disclaimer:</b>	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).
<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_031002.3</a> , <a href="#">NP_112264.3</a>
<b>RefSeq Size:</b>	5582 bp
<b>RefSeq ORF:</b>	2820 bp
<b>Locus ID:</b>	80849
<b>UniProt ID:</b>	<a href="#">Q62784</a>
<b>Cytogenetics:</b>	9q21
<b>Gene Summary:</b>	enzyme that catalyzes the hydrolysis of the 4-position phosphate of inositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and phosphatidylinositol 3,4-bisphosphate [RGD, Feb 2006]