

## Product datasheet for RN213641

### Inpp1 (NM\_022944) Rat Untagged Clone

#### Product data:

|                      |   |
|----------------------|---|
| Product Type:        | Expression Plasmids   |
| Product Name:        | Inpp1 (NM_022944) Rat Untagged Clone  |
| Tag:                 | Tag Free  |
| Symbol:              | Inpp1   |
| Synonyms:            | Ship2   |
| Vector:              | pCMV6-Entry (PS100001)  |
| E. coli Selection:   | Kanamycin (25 ug/mL)  |
| Cell Selection:      | Neomycin  |
| Fully Sequenced ORF: | >RN213641 representing NM_022944<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCTCAGTGTGTGGGGCACCGAGTCCCGGGGGCGCGCTAGGCAGCCAGGCCCTGCCTGGTATCACC  
GTGACCTGAGCCGCGCGCTGCGGAGGAGCTGCTAGCTCGGGCAGGCCGCGATGGCAGCTTCTGGTGCC  
AGACAGCGAGAGCGTGGCGGGGGCCTTCGCACTCTGCGTCTGTATCAAAAGCACGTGCACACCTACCGC  
ATTCTGCCAGATGGAGAGGATTTCTGGCTGTGCAGACCTCACAGGGCGTTCTGTGCGCCGCTTCCAGA  
CCCTGGGTGAGCTTATAGGCCTGTATGCCAGCCCAACCAGGGTCTTGTCTGTGCTCTGCTGCTGCCTGT  
AGAGGGGGAGAGAGAGCCAGATCCACCGGATGACCGAGATGCCTCAGATGTGGAGGACGAGAAAACCCCA  
CTACCCCGCGCTCTGGCTCTACCAGCATTTCTGTCCCTGCGGGGCTAGCAGCCCCCTGCCAGCCCCTG  
AGACTCCCAACTCCAGCAGCTGAGAGCACTCCTAATGGACTCAGCACTGTGTACATGAGTATCTGAA  
GGCAGCTACGGGCTGGACCTGGAGGCTGTACGAGGCGGAGCCAGCAACTGCCCCATCTCACCCGAACC  
CTTGTACCTCATGCCGTAGGCTACACAGCGAGGTGGACAAGTCTGTGTCAGGCCATGAGATCCTGTGCGA  
AGGTGTTTGACCAGCAGAGCTCACCCATGGTGACCCGCTTTTGCAGCAGCAGAGCCTACCACAGACTGG  
AGAGCAAGAGTTGGAGAGCCTTGTGCTGAAGCTATCTGTGCTAAAGGACTTCTGTGTCAGGCATCCAGAAG  
AAGGCCCTAAAGGCACTGCAGGACATGAGCTCCACAGCACCTCCGGCTCCATTGCAGCCCTCCATACGAA  
AGGCCAAGACCATCCCTGTGCAAGCCTTTGAGGTGAAGCTGGATGTGACTGGGTGACCTGACCAAGAT  
CGGGAAGTCCCAGAAGTTCACACTGAGCGTGGATGTGGAGGGTGGGAGGCTGGTACTGCTGAGGAGACAG  
CGTGACTCCCAGGAGGACTGGACGACCTTCACACAGCAGCCGATCCGGCAGCTCATTAAATCCCAGCGTG  
TGCAGAACAAGCTGGGTGTTGTGTTTAAAAGGAGAAAGATCGGACGCAGCGCAAGGACTTCATCTTTGT  
CAGTGCCCGAAGCGAGAAGCCTTCTGCCAGCTTCTGCAGCTCATGAAGAACAAGCATTCCAAGCAGGAT  
GAACCTGACATGATCTCCGTCTTCATAGGCACCTGGAACATGGGAAGTGTACCACCACAAAAACGTGA  
CATCTTGGTTACATCAAAGGGACTGGGAAAGCCCTGGATGAGGTACAGTGACTATACCCACGATAT  
CTATGTCTTTGGACTCAGGAGAACTCAGTGGGTGACAGAGAGTGGCTGGATCTGCTGCGTGGGGCCCTC  
AAGGAGCTTACAGATCTGGATTACCGTCCGATTGCTATGCAGTCACTGTGGAACATCAAGGTGGCCGTGC



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TGGTCAAGCCAGAACATGAGAACCGCATCAGCCACGTTAGTACGTCCAGTGTGAAGACTGGTATCGCCAA  
TACCCTGGGGAACAAGGGAGCTGTGGGTGTTTCCTTCATGTTCAATGGCACTTCTTTGGCTTCGTGAAT  
TGCCATCTCACCTCAGGGAATGAGAAGACTACTCGGCGGAACCAGAAATTCTGGACATCCTGCGTCTTC  
TCTCATTGGGTGATCGGCAGCTCAGTGCCTTTGACATCTCTTTGAGGTTCACTCATCTCTCTGGTTTG  
GGACCTTAACACCGCTTAGACATGGATATCCAGGAGATCCTGAACACTACATTAGTAGGAGAGAGTTGAG  
CCCCTGCTCAGGGTGGACCAGCTCAACCTGGAGCGGGAGAAGCATAAGGTCTTCCATTGATGAGG  
AGGAGATATCTTTCCACCCACCTACCGCTACGAGCGGGTCCCGAGACACATATGCTTGGCACAAGCA  
GAAGCCAACCTGGGTCCGACCAATGTGCCTTCATGGTGTGACCGGATTCTATGGAAATCCTATCCTGAA  
ACCCACATCATCTGCAATTCTATGTTGCACTGATGACATTGTTACCAGTGACCATTCTCTGTGTTTG  
GGACATTTGAGGTTGGAGTGACTTCCCAGTTCATCTCCAAGAAAGGTCTCTAAGACCTCAGACCAGGC  
CTACATTGAGTTGAGAGCATCGAGGCCATCGTGAAGACGGCCAGCCGACCAAGTTCTTATTGAGTTC  
TATTCTACCTGCTTGAAGAGTACAAGAAGAGCTTCGAGAATGACGCTCAGAGCAGTGACAACATCAATT  
TCCTCAAGGTGCAGTGGTCTCGCGCCAGCTGCCACGCTCAAGCCAATTCTGGTGCATTGAGTACCT  
GCAGGATCAGCATCTCTGCTCACAGTCAAGTCCATGGATGGCTACGAATCATATGGGGAGTGTGTGGT  
GCACTCAAATCCATGATTGGCAGCACGGCCAGCAGTTCTTGACCTTCTGTCCCACCGTGGAGAGGAGA  
CAGGCAACATTCGTGGTCCATGAAGGTGCGGGTGGCCACAGAAGCCTGGGCACCCGTGAGCGGCTCTA  
TGAATGGATTAGCATTGATAAGGATGACACAGGAGCCAAAAGCAAGGCTCCTTCAGTGTGCGGGGACGC  
CAGGAGCACAGATCTGGGAGCCGCAAGCCAACCTCCACAGAGGCCCTCTGTCCACTGTCCAAGTTGTTTG  
AAGAGCCTGAAAAGCCACCAGGACTGGCAGGCCCCAGCCACACCGGCAGTTCTTAGGGAGGAGTC  
CTTGAACCCAGGTTGAAGTCAAGGGGACACCTGAACAGGAAGGAGTAGCAGCCCTCCACCAAGAAC  
AGCTTCAATAACCCTGCCTACTACGTCTTGAAGGGTCCCACATCAGCTGCTGCCCTGGAGCCAACCT  
CATTGCCAGGGCCCTATCCCACCTACCACCAAGAACAAGTGGCCATCACAGTGCCTGCTCCTCAGCT  
TGGGCGCCACCGACCCCTCGTGTGGGGAGGGAAGCTTTCGGATGAGGACTCTGGGGCACACTGCCT  
CCTCCAGACTTCCACCTCCACCTGCCAGACTCAGCCATCTTCTGCCCTAACCTGGATCCTTTAT  
CAATGCCAGTGGTCAGGGGCCAAGTGTGGGTGAGGCCGTGGCCACCACCTCCCAAGGCCATCCAAG  
ACCACCACTACCGCCGGGCACCTCACCTGCCAGTACTTTTTGGAAGAGGTTGCAAGTGCAGGATGACCGG  
TCTTGCTCAGTACTGCAGATGGCCAAGACTCAGTGAAGTATATTCTCTGGGCTGGACGCTCAG  
CACTCCTCCCAACCCCTTGAATTGCAGCTTCCCGAGGGCCCTCGACTACGGACGACCCCTCAGCTT  
CCCTCCACCCGCATCCGGGAGAGCATCCAAGAAGACTTGGCAGAGGAGGCTCCGTGCCCGAGGGCGGG  
CGGGCCAGCGGGTGGGAGAGCGGGCATGGGTGCTGGCTGCGGGCCATCGGCTTGAGGCGCTATGAGG  
AGGGCCTGGTGCACAATGGCTGGGACGACTGGAGTTTCTCAGTGACATCACTGAGGAAGACCTCGAGGA  
AGCTGGGTGCAGGATCCTGCTACAAGCGCTTCTTCTGGACACGCTGCAGCTCAGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_022944

**Insert Size:**

3774 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:** [NM\\_022944.2](#), [NP\\_075233.1](#)

**RefSeq Size:** 4830 bp

**RefSeq ORF:** 3774 bp

**Locus ID:** 65038

**UniProt ID:** [Q9WVR3](#)

**Cytogenetics:** 1q32

**Gene Summary:** phosphatase that plays a negative regulatory role in insulin-induced mitogenesis [RGD, Feb 2006]

Transcript Variant: This variant (1) encodes the longer isoform (1).