

Product datasheet for **RR217530**

Inpp1 (NM_001270843) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Inpp1 (NM_001270843) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Inpp1
Synonyms: Ship2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217530 representing NM_001270843
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

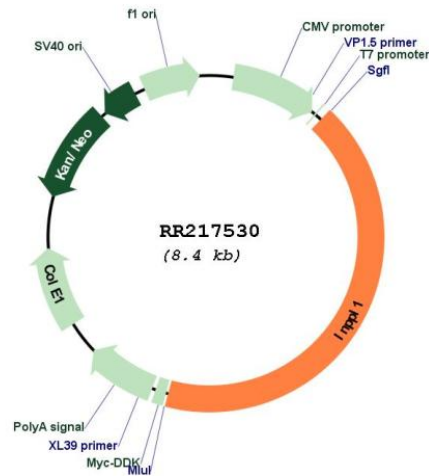
ATGGCCTCAGTGTGTGGGGCACCGAGTCCCGGGGGCGCGCTAGGCAGCCAGGCCCTGCCTGGTATCACC
 GTGACCTGAGCCGCGCGCTGCGGAGGAGCTGCTAGCTCGGGCAGGCCGCGATGGCAGCTTCTGGTGCC
 AGACAGCGAGAGCGTGGCGGGGGCCTTCGCACTCTGCGTCTGTATCAAAGCACGTGCACACCTACCGC
 ATTCTGCCAGATGGAGAGGATTTCTGGCTGTGCAGACCTCACAGGGCGTTCTGTGCGCCGCTTCCAGA
 CCCTGGGTGAGCTTATAGGCCTGTATGCCAGCCCAACCAGGGTCTTGTCTGTGCTCTGCTGCTGCCTGT
 AGAGGGGGAGAGAGAGCCAGATCCACCGGATGACCGAGATGCCTCAGATGTGGAGGACGAGAAACCCCA
 CTACCCCGCGCTCTGGCTCTACCAGCATTTCTGTCCCTGCGGGGCTAGCAGCCCCCTGCCAGCCCCTG
 AGACTCCCAACTCCAGCAGCTGAGAGCACTCCTAATGGACTCAGCACTGTGTACATGAGTATCTGAA
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 AAGGAGCTTACAGATCTGGATTACCGTCCGATTGCTATGCAGTCACTGTGGAACATCAAGGTGGCCGTGC



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TGGTCAAGCCAGAACATGAGAACCGCATCAGCCACGTTAGTACGTCCAGTGTGAAGACTGGTATCGCCAA
TACCCTGGGGAACAAGGGAGCTGTGGGTGTTTCCTTCATGTTCAATGGCACTTCTTTTGGCTTCGTGAAT
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TCCTCAAGGTGCAGTGGTCTCGCGCCAGCTGCCACGCTCAAGCCAATTCTGGTGCATTGAGTACCT
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GCACTCAAATCCATGATTGGCAGCACGGCCAGCAGTTCTTGACCTTCTGTCCCACCGTGGAGAGGAGA
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TGAATGGATTAGCATTGATAAGGATGACACAGGAGCCAAAAGCAAGGCTCCTTCAGTGTTCGGGGCAGC
CAGGAGCACAGATCTGGGAGCCGCAAGCCAACCTCCACAGAGGCCCTCTGTCCACTGTCCAAGTTGTTTG
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CTTGAACCCAGGTTGAAGTCAGAGGGGACACCTGAACAGGAAGGAGTAGCAGCCCTCCACCCAAGAAC
AGCTTCAATAACCCTGCCTACTACGTCTTGAAGGGTCCCACATCAGCTGCTGCCCTGGAGCCAACCT
CATTGGCAGGGCCCTATCCCACCTACCACCAAGAACAAGTGGCCATCACAGTGCCTGCTCCTCAGCT
TGGGCGCCACCGACCCCTCGTGTGGGGGAGGGAAGCTTTCGGATGAGGACTCTGGGGCACACTGCCT
CCTCCAGACTTCCACCTCCACCACTGCCAGACTCAGCCATCTTCTGCCCCCTAACCTGGATCCTTTAT
CAATGCCAGTGGTCAGGGGCCGAAGTGTGGGTGAGGCCGTGGCCACCACCTCCCAAGGCCATCCAAG
ACCACCACTACCGCCGGGCACCTCACCTGCCAGTACTTTTTTGAAGAGGTTGCAAGTGCAGGATGACCGG
TCTTGCTCAGTACTGCAGATGGCCAAGACACTCAGTGAGGTAGATTATTCTCTGGGCTGGACGCTCAG
CACTCCTCCCAACCCCTTGAATTGCAGCTTCCCGAGGGCCCTCGGACTACGGACGACCCCTCAGCTT
CCCTCCACCCGCATCCGGGAGAGCATCCAAGAAGACTTGGCAGAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001270843

ORF Size: 3549 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001270843.1](#), [NP_001257772.1](#)

RefSeq Size: 4640 bp

RefSeq ORF: 3552 bp

Locus ID: 65038

UniProt ID: [Q9WVR3](#)

Cytogenetics: 1q32

MW: 131.1 kDa

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