

## Product datasheet for **RR207121**

### Inpp5k (NM\_001013859) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp5k (NM_001013859) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inpp5k
Synonyms:	Skip
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207121 representing NM\_001013859  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACGACTGCGAGTCTAAGGAAGCCGAGCGCACCAAAGAGCTTATGCTCAGCATAACGTTGTAACAT  
 GGAATGTGGCCTCTGCAGCCCCACTGTGGACCTCAGTGACCTACTTCAACTGAACAACGAAGACCTGAA  
 TCTGGACATATATCATTGGTTTGAGAAATGAATTATGGGATCATAAGCCTTCTTTCTGATGCTGCC  
 TTTGAGGACCATGGAGCAGTTTCTTCATGGATATGCTTTCTCCACTGAACCTTGTCAAGATCTCTCAAG  
 TCCGTATGCAGGGGCTTCTTTACTGGTCTTTGCCAAGTATCAGCATTGTCCTACATCCAGATCATCTC  
 TACAAAATCCATTCTACTGGCCTCTACGGGACTGGGGAAACAAAGGGGAATCAACATCTGTCTGAAG  
 CTTTACGGCTACTATGTCAGCATCGTCACTGCCACCTGCCTCCCACATGTACAACAATGACCAGCGCC  
 TGGAGCACTTTGACCGCATCTTGAGAGTCTGACTTTTGGGGATATGATGTCCCAACATCCTGGACCA  
 TGACCTCATTCTGTGGTTGGAGACATGAACCTTCAATCGAGGACTTTGGGCTGCTCTTTGTTCCAGGAG  
 TGATAACAAAGAAGCGCTACAAAGAGCTGTGGGAGAAAGATCAGCTCTTCATTGCCAAGAAACAGGACC  
 AGCTGCTCCGGGAGTCCAGGAAGGCCACTGCTCTTCCACCCACCTACAAGTTTGACAGGCACTCCAA  
 CAACTATGACACCAAGTGAGAAAAACGCAAGCCTGCGTGGACTGACCGAATCCTGTGGAGTTGAAGCGG  
 CAGCCAGCCAAGGCCAACCCCTCCGGCTTCTTGTGACACAGAAGGACTATGTCAGCCACATGACATACA  
 GCATCAGTGACCAATAAGCCTGTCACTGGCACCTTCGACTTGGAGCTGAACCCACTGATGTCTGTCCCACT  
 GATCACTATGATGCCTGAATACCTGTGGACCAAGGAGAACGACATGCTGATCAACTACACCTCCACCCCA  
 GAGTCTCTCAGCAGCCCCTGGGACTGGATCGGACTATACAAGTTGGGGATGCGACACATTAATGACTATG  
 TATCCTATGTCTGGTCTGGTGACAACCAAGTCTCCCGTGGTAACAACCCAAACCGGTGTATATCAACAT  
 CAGTGCTATCCCTGACACGGAGGAGCAGTTTCTTCTGTACTATAGCAACAACCTGCCTCTATAGTG  
 GGGATAAGTCAACCCCTCAAGATCCCGTCCGGTCTTTTTGAGAGAGGACACACTGTCTGAGCTTGAAC  
 CACAGCTC

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207121 representing NM\_001013859  
 Red=Cloning site Green=Tags(s)

MTTASLRKPSAPKELMLSIHVVTWNVASAAPTVDLSDLLQLNNEIDLNDIYIIGLQEMNYGIISLLSDAA  
 FEDPWSSFFMDMLSPLNLVKISQVRMQGLLLL VFAKYQHLPIYIQIISTKSIPTGLYGYWGNKGGINICLK  
 LYGYVSVIVNCHLPPHMYNNDQRLEHFDRILESLTFEGYDVPNILDHDLILWFGDMNFRIEDFGLLFVQE  
 CITKKRYKELWEKDQLFIKKQDQLREFQEGPLLPPTYKFDHRHSNNYDTSEKKRKPATDRILWRLKR  
 QPAKANPSGFLLTQKDYSVSHMTYSISDHKPVGTGFDLELNPLMSVPLITMPEYLWTKENDMLINYTSTP  
 EFLSSPWDWIGLYKVGMRHINDYVSYVWVDNQVSRGNNPNQVYINISAIPTDEEQFLLCYYSNNLHSIV  
 GISQPFKIPSGFFLREDTLESELPQL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

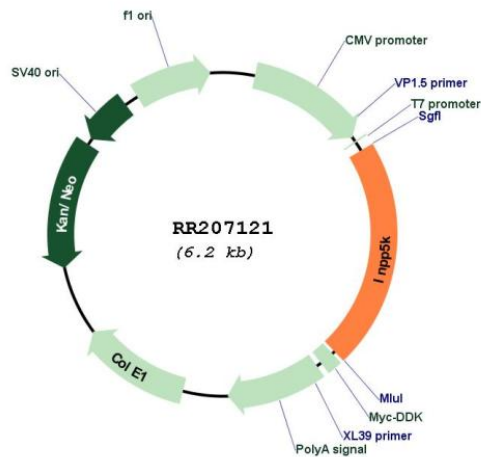
**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001013859

ORF Size: 1338 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\\_001013859.1](#), [NP\\_001013881.1](#)

**RefSeq Size:** 1701 bp

**RefSeq ORF:** 1341 bp

**Locus ID:** 287533

**Cytogenetics:** 10q24

**MW:** 51.9 kDa