

Product datasheet for **RN217040**

Inpp5e (NM_053632) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp5e (NM_053632) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Inpp5e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217040 representing NM_053632
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGTCCAAGTCCGCTTGCCCTGCGTCACACGGAGGCACCTGGGCAGCTAGAAGGCAGAATGCTCCAGG
 GACAGCTTTCGAACCCCGAAAAGAAGCTCATCCCAACATCAGCCTCCTTACCAGCTGCTGACTCTCAGAG
 TTCACAGACAAACTCCATGCCTCCTTTAAGCATGCCAGCAAAAACCAAGCAACCAGAACCTACAAGCCAAG
 GCAAACCTCATACCCCCACAGCCACCCATTAGACCCAAGTTGGAGAGAACCCTGTCCCTCGATGACAAGG
 GCTGGAGAAGGAGGCGTTTCCGGGGTAGTCAGGAGGATCTGACCGTCCAGAATGGGGCCAGTCCCTGCAG
 GGGTTCCTTGCAAGTACTAGCCAGTCTCCTGCCTACAGTCGTCCCCTGCCCTGCCTCAGTACATCC
 TTACAGGAGATACCTAAGCCCCGAAGGGCCACAGGCAGCGAGGGAGGCCATCCTTGTGGAGTGACT
 GTCTTTCTGGAATGATCAGCACCTCCTTGACCTCCTGCACAGAGAGGCTGCCTCAGGTGGGCCCACTC
 CAGGCTGGCAAGTTTGCCTGCTACACACACACCCCGCAGCTATGGACCTCAACATAGCCTCCAGCTCCCTG
 AGAACAGCAAACAAGGTTGACCTGAGCACACGGACTACAAGCTCCGCATGCAGAACAGACTGGTACAGG
 CCCACAGCAACCTGGGCCCTAGCAGACCCCGGAGTCCCCTGGCTGGTGACGACCACTCCATTCACTCAGC
 CAGATCCTCTTTAGCCTTCTGGCCCCATCCGCACCAAGGACATCAGGAGCAGGAGCTATCTGGAGGGA
 AGTCTTCTGGCCAGTGGGGCCCTGCTAGGAGCAGACGAGCTGGCCAGGTACTTCCAGACCGAAACATGG
 CTCTTTTCGTGGTACCTGGAACATGCAGGGCCAGAAGGAGCTTCCGGCAAGCCTGGATGAGTTTCTGCT
 TCCCACCGAGGCTGACTACACACAGGACCTGTATGTATTGGCGTTCAGGAGGGCTGCTCTGACAGGCGG
 GAATGGGAGACACGCTTGCAGGAGACACTGGGCCCTCAGTATGTACTGCTGTATCAGCAGCACATGGGG
 TCCTGTACATGTCCCTGTTTATCCGTAGGACCTCATCTGGTTCTGCTCAGAGGTCGAGTACTCCACAGT
 AACTACACGCATCGTGTCTCAGATCAAGACCAAAGGGGCCCTGGGCGTCAGCTTACCTTTTTTGGCACC
 TCCTTCTCTTATCACATCTCACTTCACTCTGGAGATGGGAAGGTAGCAGAGCGGCTACTGGACTACA
 ACAGAACCATCCAAGCCCTCGCCTTGCCCCGGAATGTGCCAGACACAAACCCCTACCGCTAGTGCAGG
 GGATGTCACTACCCGTTTGTAGAGTCTTCTGGTTTGGGGACTTCAACTCCGCCTAAGTGGTGGACGA
 GTGGCTGTGGAGGCTTCTGAAGCAGGACCCAGAGGTGGATGTGCTGGCACTCCTGCAACATGACCAGC
 TCACCCGGGAGATGAAGAAAGGGTCCATCTTCAAGGGCTTGGAGGAGCAGAAATCACTTTCTCCCATC
 CTACAAGTTTGACATTGGGAAGGACACCTACGACAGCACCTCAAGCAAAGGACACCTCCTACACAGAC
 CGAGTCTATACAAAAGCCGTACAAGGGTACATCTGTCCATGAAGTATTCTCTTGTCTGGGATCA
 AGACTTACAGACCACCGTCTGTGTATGGCTTGTCCGGGTGAAAGTGAGGCCAGGACGAGACAACATCCC
 GTTAGCTGCCGGCAAGTTTGACCGAGAAGTGTACTTGTATAGGAATTAAGAGCAATTCGAAAGAGATT
 CAGAGACAAGAAGCACTGAAGAGTCAGAGCTCCAGTGTGTGCACTGTGTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053632

Insert Size: 1947 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_053632.1</u> , <u>NP_446084.1</u>
RefSeq Size:	3342 bp
RefSeq ORF:	1947 bp
Locus ID:	114089
UniProt ID:	<u>Q9WVR1</u>
Cytogenetics:	3p13
Gene Summary:	hydrolyzes the 5-phosphate group of inositol 1,4,5-trisphosphate, inositol 1,3,4,5-tetrakisphosphate, and phosphatidylinositol 4, 5-bisphosphate [RGD, Feb 2006]