

Product datasheet for MR218891

Inpp5j (NM_172439) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Inpp5j (NM_172439) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Inpp5j
Synonyms: Pib5pa; Pipp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218891 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGGCCAGACCAGGAGTGGTAGTGCCAGGCCCGGGACCAGGACTGGACTGGGACCCTTGCCTGGGA
 CTCATGGGGTCTTGCAAGCTGAGATACCCTCGAAGAAGGTAACCTCAAGTTTTACAGTTCCAGCAAAGAA
 CTCGGGCCAGCATCTTCGGAACCAAGGTTGACCTGGCACCTGTGGGACCAGGACAGCTGTGTACCT
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 AACAGAAAAGGCCTCCGCCCTCACAGCTCCAACAGGGCAGCCAAGTCTGTGGGCAACTGGTAGTATC
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 CTAGTAATATCTGCCTCTGCTATGCCAAGGCCATCTCCGGCTCCCTGGGGTCCGTCTCTAACTCCA
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 CTGTACCCTCTCAGGAGGTCACCTGGCTGCAGCATCTGTGACATCTACCCAGCTTCTGAGAGACAGT
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 AGAGCGGGCAGCTGGTCCCGCCACCTCTCCACCAAGGGCCCAAGTTTTCTCAGACCCTCGGTTTTCCCC
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 CCTGCCCTTGGATGTGAGCCAGGCCTTCCAGAGTCTGGCACCCGTTCCCTGGACTTCTGTCCCCTAC
 CTTTTGGCCAGGAATCCCTTCAAGCCAGACTGTGCCCCACCTCTGCCAAGCCACCTCGGTCTCCCAGC
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 CTGTACCAGGCTGCAGGCTGGCAGGTGCCAAGCCCTAACCTACAGGCACAAGAAAGTCCAGCAGC
 CGCCACCACCACCTACCAACATCTTCTGGTCTCAGCTCAGCCTACTTGAAGAGCGACCCTGGATT
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TTCAACTTTGTGCTGGT GAGCACCGTGAGGATGCAGGGCGTCATTCTGCTGCTCTTTGCCAAGTACTACC
 ACCTACCGTTCTACGGGACGTGCAGACAGACTGTACTCGTACTGGCCTGGGTGGCTACTGGGGTAAACA
 GGGCGGAGTAAGTGTGCGCTTAGCAGCCTTCGGGCACATGCTGTGCTTCTAAACTGCCACTTGCCCGCA
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 GCTTCCAGCCTTGCCTGGAGACCGTAGACCTGGTGGTGGAGGCTCCTGGGGAGCTGACCAGGAGGCC
 CCTGACCCTAATAGCCTCTCCCCTAGCCCCAGGGCCGACTGGGGCTGGAGGAAGGGGTTTGGGGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218891 protein sequence
 Red=Cloning site Green=Tags(s)

MEGQTRSGSARPGTRTGLGPLGTHGLVQAEIPSKKVNSSFQLPAKNSGPASSEPRLLTAPVGPRAAVSP
 PSERPRLLVSSRPVLAPLSIAGEQKRPPPHSSNRAAKSVGQLVVSAAAASKPPPVASVSLAPKSLGQ
 LVISASAMPRPSPAPLGSVLTPTSRDQKQLSPTSVGPKPALATSGLSLALASQEQQSPSPSPVSPV
 LSPSQEGHLAAASVTSTPASERQLPARQKDTAVPRPTPPADKCLYTPERAAGPATSPRAQAFSDPRLSP
 SFRARPEAPRHSPEDPVLPPPQTLPLDVSPGLPESGTRSPGLLSPTRPGIPSSQTVPPPLPKPPRSPS
 RSPSRSPNRSPCLPPAPEVALPKPVTQAAGSGRCPSPNLQAQESPAATTTTSPSSWSAQPTCKSDPGF
 RITVVVTWNVGTAMPPDDVTSLLHLGSGHDNDGADMI AIGLQEVNSMINKRLKDALFTDQWSELFMDALGP
 FNFVLVSTVRMQGVILLFLAKYYHLPFLRDVQTDCTRTGLGGYWGNGGGVSVRLAAF GHMLCFLNCHLPA
 HMDKAEQRKDNFQTILSLQQFQGPGAHGILDHDLVFWFGDLNFRIESYDLHFVKFAIDSNQLHQLWEKDQ
 LNMAKNTWPILKGFQEGPLNFAPTFKFDVGTNKYDTS AKKRKPAWTDRI LKWKVAPSGGSPSPSGRESHRL
 QVTQHSYRSHMEYTVSDHKPVAAQFILQFAFRDDVPLVRLEVADEWARPEQAVVRYRVETVFARSSWDWI
 GLYRVGFRHCKDYVAYVWAKHEEVDGNIYQVTFSEESLPKGGHDFILGYSHHHSILIGVTEPFQISLPT
 SESASSSTDSSGT SSEGEDDSTLELLAPKSRSPSPGKSKRHRSPGLARFPSLALHPSSRERRGGSRSP
 SPQSRQLPRVAPDRGHSSSRGSSEEGPSGLPGPWAFPSPVPRSLGLL PALRLETVDPPGGGGSWADQEA
 PDPNSLSPSPQGRGLGLEEGLGP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

RefSeq ORF: 3012 bp

Locus ID: 170835

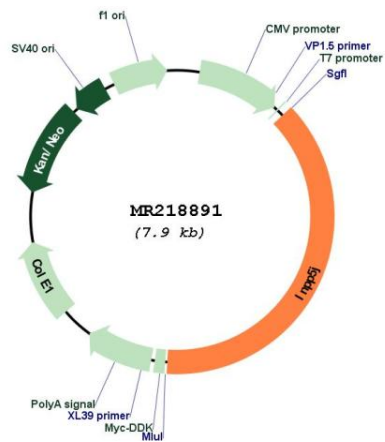
UniProt ID: [P59644](#)

Cytogenetics: 11 A1

MW: 107.5 kDa

Gene Summary: Inositol 5-phosphatase, which converts inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate. Also converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol 4-phosphate and inositol 1,3,4,5-tetrakisphosphate to inositol 1,3,4-trisphosphate in vitro. May be involved in modulation of the function of inositol and phosphatidylinositol polyphosphate-binding proteins that are present at membranes ruffles (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218891