

Product datasheet for **RR201950**

Minpp1 (NM_019263) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Minpp1 (NM_019263) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Minpp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201950 representing NM_019263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCGCGCGCGCGCAGCCACCTCTCGGCCTCGGTAGCCCTCGCCGGTCTCTGGTGCGGCGCTGC
 TCTCGTCGTTTCGCGCGCTGCTCTCTCCCGGGCGCGCGACCCGGTGGCTTCGGTCTTAGCCCTACTT
 CGGCACGAAGACACGCTACGAAGATGTCAACCCCTGGCTGCTGGGCGACCCGGTGGCGCCGCGACGGGAC
 CCGGAGCTGCTGGCGGGACTTGACCCCGGTGCAGCTGGTGCCTCATCCGTACGGCACCCGCTACCTACC
 CTACGACCAAGCAGATCCGCAAGCTGAGGCAGCTGCAGGGGCTGCTGCAGACCCGCGAGTCCGTGGATGG
 CGGGAGCCGAGTGGCCGCGCTCTGGACCAATGGCCGCTGTGGTACGATGACTGGATGGACGGGCGAGCTG
 GTGAAAAGGGGCGCAGGACATGCGACAGCTGGCCCTGCGTCTGGCCGCCCTCTCCCTGACCTTTCT
 GCCGGGAGAACTACGGCCGCTGCGGCTGATCACCAGCTCCAAGCACCGTGTGTGGACAGCAGCGCCGC
 TTCCTCCAAGGTTGTGGCAACATTACCACCCAGGATTGCCACCTCCCGACGTCTCAGACATGGAGTGT
 GACCCTCCGAGAGTTAATGATAAGCTAATGAGGTTCTTCGATCACTGTGAGAAAGTTTTAAACCGAAGTCG
 AAAGAAACGCCACGGCTCTTTATCATGTGGAAGCCTTCAAACCGGGCCAGAAATGCAGACAGTTTTAAA
 GAAAGTTGCAGCCACTTTGCAAGTGCCAGTGAACAATTTAAATGCAGACTTAATTCAGGTAGCCTTTTTTC
 ACCTGTTCTGTTGACCTGGCAATTCAAGGTGCCATTCTCCCTGGTGGATGTGTTTACGATAGATGATG
 CGAAGGTTCTGGAATACTTAAATGATCTGAAACAGTACTGGAAACGAAGTTATGGCTATGCCATTAACAG
 CCGGTCCAGCTGCAACCTGTTTCAGGACATTTTCTACACCTGGACAAAGCAGTTGAGCAGAAGCAAAGG
 TCTCAGCCGCTCTTTCTCCAGTCACTCCAGTTTGGTATGCGGAGACCCTCTACCCCTGCTCTCGC
 TCATGGGCTACTTCAAGGACAAGGAGCCCTGACAGCATAACAATTTTGGAGAGCAGGTGCATCGCGAGTT
 CCGAAGTGGTACATCGTACCATATGCTTCAAACCTAATATTTGTGCTTTACCATTGTGAAGACGCACAG
 ACCCTCAAGAAAAATTCAGATACAAATGCTGCTGAATGAAAAGGTGTTACCCTTAGCTCACTCGCAGA
 AAAGTGTGCCTTGATGAGGATCTGAAGAACCCTACCAGGACATTCTCAGAGCTGTCAAAGTAGTAA
 AGAATGTAACCTACCAAGGTGAACATCACGTCCGACGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201950 representing NM_019263
 Red=Cloning site Green=Tags(s)

MLRGARSHLSASVALAAVLAALLSSFARCSLPGRGDPVASVLSFYFGTKTRYEDVNPWLLGDPVAPRRD
 PELLAGTCTPVQLVALIRHGTRYPTTKQIRKLRQLQGLLQTRESVDGGSRVAAALDQWPLWYDDWMDGQL
 VEKGRQDMRQLALRLAALFPDLFCRENYGRLRLITSSKHRCVDSSAFLQGLWQHYHPGLPPPVDSDMEC
 DPPRVNDKLMRFFDHCEKFLTEVERNATALYHVEAFKTPPEMQLVKKVAATLQVPVNNLNADLIQVAF
 TCSFDLAIQGVHSPWCDVFDVDDAKVLEYLNDLKQYWKRSYGYAINSRSSCNLFQDIFLHLDKAVEQKQR
 SQPVSSPVILQFGHAETLLPLL SLMGYFKDKEPLTAYNFEEQVHREFRSGHIVPYASNLIFVLYHCEDAQ
 TPQEFQIQMLLNEKVLPLAHSQKTVALYEDLKNHYQDILQSCQTSKECNLPKVNIITSDLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_019263.1](#), [NP_062136.1](#)

RefSeq Size: 2383 bp

RefSeq ORF: 1446 bp

Locus ID: 29688

UniProt ID: [O35217](#)

Cytogenetics: 1q52

MW: 54.6 kDa

Gene Summary: catalyzes the hydrolysis of Ins(1,3,4,5,6)P5, first to Ins(1,4,5,6)P4 and then to Ins(1,4,5)P3, by consecutive 3- and 6-phosphatase activities [RGD, Feb 2006]