

Product datasheet for **RR207525**

PPP4c (NM_134359) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP4c (NM_134359) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP4c
Synonyms:	Ppx
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207525 representing NM_134359 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAAATCAGCGACCTGGACCGGCAGATCGAGCAGCTGCGGCGCTGCGAACTTATCAAAGAGAGCG
AAGTCAAGGCCCTGTGCGCTAAGGCCAGAGAGATCTTGGTAGAAGAGAGCAACGTGCAGAGGGTGGACTC
GCCAGTCACAGTATGCGGTGACATCCACGGACAATTCTATGACCTCAAGGAGCTGTTTCAGAGTAGGTGGC
GATGTCCCTGAGACCAACTACCTCTTATGGGAGACTTTGTGGACCGTGGTTTCTACAGTGTGAAACCT
TCCTCCTCTGCTGGCTCTTAAGTTTCGATATCCTGACCGAATCACTTTGATCCGGGCAATCATGAGAG
TCGCCAGATTACCCAGGTCTATGGGTTCTATGATGAGTGCTTACGGAAATATGGTTCAGTACTGTATGG
CGCTACTGTACTGAGATCTTTGACTACCTCAGCCTGTCTGCCATCATTGATGGCAAGATCTTCTGTGTGC
ATGGAGGTCTTTCCCTTCTATCCAGACCTTGGACCAGATCCGGACAATTGACCGAAAGCAAGAGGTACC
CCATGATGGACCCATGTGTGACCTCCTGTGGTCTGACCTGAAGACACAACAGGCTGGGGAGTGAGCCCC
CGTGGGGCAGGCTACCTGTTTGGCAGTGATGTGGTCCGCCAGTTCAATGCAGCCAACGACATTGATATGA
CCTGCCGTGCCACCAATTGGTATGGAAGGTTACAAGTGGCACTTCAATGAGACGGTGTACTGTGTG
GTCAGCGCCTAATTACTGCTACCCTGTGGGAATGTGGCAGCCATCTTAGAACTGGATGAGCACCTCCAG
AAAGATTTTCATCATCTTCGAGGCTGCACCCCAAGAGACACGTGGCATCCCTCCAAAAGCCAGTGGCTG
ACTATTTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207525 representing NM_134359
Red=Cloning site Green=Tags(s)

MAEISDLDRQIEQLRRCELIKSEVKALCAKAREILVEESNVQRVDSPTVCGDIHGQFYDLKELFRVGG
 DVPETNYLFGMDFVDRGFYSVETFLLLLALKVRYPDRTLIRGNHESRQITQVYGFYDECLRKYGSVTWV
 RYCTEIFDYLSLSAIIIDGKIFCVHGGLSPSIQTLQDQIRTIDRKQEVPHDGPMDLLWSDPEDTTGWGVSP
 RGAGYLFGSDVVAQFNAANDIDMTCRAHQQLVMEGYKWHFNETVLTVWSAPNYCYRCGNVAAILELDEHLQ
 KDFIIFEAAPQETRGIPSKKPVADYFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

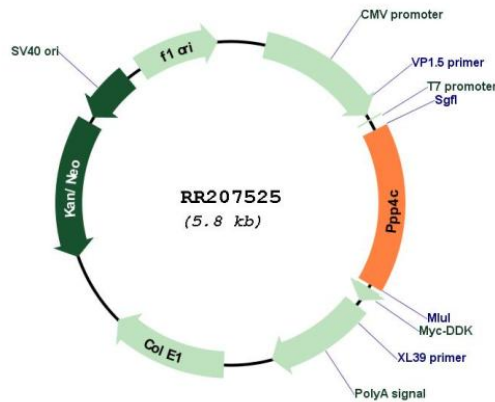
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_134359

ORF Size: 921 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:	<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:	NM_134359.1 , NP_599186.1
RefSeq Size:	1457 bp
RefSeq ORF:	924 bp
Locus ID:	171366
UniProt ID:	Q5BJ92
Cytogenetics:	1q36
MW:	35.1 kDa
Gene Summary:	one of five classes of protein serine-threonine phosphatase catalytic subunits; includes subunits 1, 2A, 2B (calcineurin), 2C in addition to Pp4c [RGD, Feb 2006]