

Product datasheet for **RR214099**

Pipox (NM_001012009) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pipox (NM_001012009) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pipox
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214099 representing NM_001012009
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTCAGACAGATCTCTGGGATGCTATTGTGATTGGAGCAGGCGTCCAGGGCTGTTTTACCGCT
ACCACCTGGCCCAGAATCCAAGAAGGTCTCCTGCTGGAGCAGTTCCTTCTTCCCCATTCCCAGAGGAA
CTCACATGGACAGAGCCGATAATCAGAAAGGCTTACCCGAGGACTTACACAAGGATGATGGATGAA
TGTTATCGGACATGGGCCAGCTGGAGCGTGAAGCTGGAGCCAGTTGCACAGGCGGACTGAACTTTGT
TTCTGGGAATGAAGGAAAATCCAGGATTAAGACAATCCAGGCCACTCTGTCTAGGCAGGGGATTGACCA
CGAGTGCCTTTCATCAGTGCATTTAAAGCAACGCTTTCAAAACATTTCGGTTCACCAAGGGAGAAGTAGGG
CTCTTAGACAAGACTGGAGGTGTCTCTATGCAGACAAGGCCCTCAGAGCCCTCCAGCATGTAATTCGTC
AGCTAGGAGGCATGGTGTGTGATGGAGAGAAGGTAGTGGAGATAAGACCTGGTCTACCTGTCACAGTGAA
AACCACCTGAAGAGCTACCAAGCCAACAGCTTGGTCATCACTGCTGGTCCCTGGACCAACCGGATTCTT
CGTCCCCTGGGAATTGAGTTGCCTCTCCAGACCCTTCGGATCAATGTGTGTTACTGGCGAGAGAAGGTCC
CTGGGAGCTATAGTGTGCACAAGCTTCCCATGCATCCTGAGTCTGGATCTGGCCCCCACCACATCTA
CGGACTGCCAGCCTCAGAGTACCCAGGGCTGATGAAGGTGTGCTATCACCATGGTACAGTGTGGACCCA
GAGGAGCGGGACTGCCCAAAACCTTCTCAGACATCCAAGACGTTTCAGATTCTATGCCACTTTGTCAAAG
ATCATTTACCAGGCTGAGGCCAGAGCCAGACATCATGGAACGCTGCATGTACACGAATACTCCCGATGA
GCACTTTATTCTTGACTGCCACCCAAAGTATGACAACATTGTCATCGGTGCTGGATTCTCTGGTCAATGGA
TTCAAGTTGGCCCTGCTGTGGGAAAGTCTCTATGAGCTAAGCATGAAATTACCACCATCCTATGACT
TGGCTCCATTTCAATAAGCCGCTTCTAAGCTGAGCAAAGCCACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214099 representing NM_001012009
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MAAQTDLWDAIVIGAGVQGCFTAYHLAQNKKVLLLEQFLLPHSRGSSHGQSRIIRKAYPEDFYTRMMDE
 CYRTWAQLEREAGAQLHRRTELLFLGMKENPGLKTIQATLSRQGDHECLSSVHLKQRFNIRFTKGEVG
 LLDKTGGVLYADKALRALQHVIRQLGGMVCDGEKVVEIRPGLPVTVKTTLSYQANS�VITAGPWTNRIL
 RPLGIELPLQTLRINVCYWREKVPGSYVSQAFPCILSLDLAPHHIYGLPASEYPGLMKVCYHHGDSVDP
 EERDCPKTFSDIQDVQILCHFVKDHLPLGRPEPDIMERCMYTNTPDHFILDCHPKYDNIIVIGAGFSGHG
 FK LAPAVGKVL YELSMKLPSPSYDLAPFRI SRF SKLSKAHL

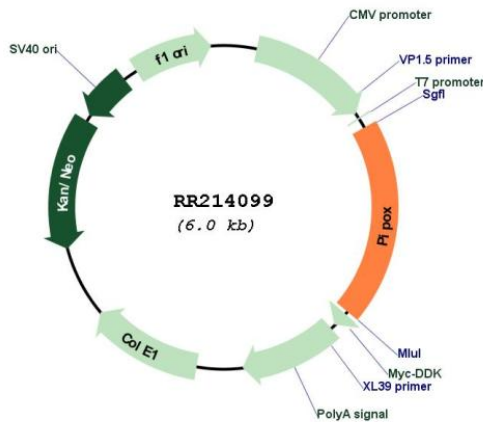
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012009

ORF Size:	1170 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_001012009.1 , NP_001012009.1
RefSeq Size:	1716 bp
RefSeq ORF:	1173 bp
Locus ID:	303272
Cytogenetics:	10q25
MW:	43.9 kDa