

Product datasheet for **RR200907**

Ppox (NM_001105968) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppox (NM_001105968) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppox
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200907 representing NM_001105968
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGACTGTGATAGTGTGGCGGAGGTATCAGCGGATTGGCCGCAAGTTATCATCTGACCCGAA
 GCCCAGTCTCCTAAGGTGATCTTAGTGGAGGGCAGCAAACGTTGGGAGGCTGGATCCGTTAGTCCG
 AGGATCAGATGGTGCGATCTTTGAACTTGACCTCGAGGAATTAGGCCGGCTGGAGCCCTGGGAGCCCG
 ACCCTGCTCTGGTTTCTGAACTTGCTTGAATCCGAAGTCTTGCTGTCCGAGGGGATCATCCAGCTG
 CCCAGAACCGTTCTGTATGTAGGCGGTGCCCTGCACCCCTACCCTCTGGCTCAGGGGGCTACTTCG
 TCCTTACCCCCCTTCTCAAACCTCTATTTGGGCTGGACTGAGGGAGTTGACGAAGCCAGGGGCAAA
 GAGCTGTGACTGTGCACAGTTTGGCCAGCGCCCTTGGACCTGAGGTGGCGTCTCTGGCTATGG
 ACAGCCTTTCAGAGGAGTGTGGTGGCAACAGCCAAGAGCTCAGCATCCGGTCTGCTTCCAGTCT
 CTTCCAAGCTGAACAAACCCACGGTCCATGTTACTGGGCTGCTGCTGGGGCAGGGCAGACTCCACAG
 CCCAATTCCTCATTAAATTCGTACAGCCCGCGCTGAGCGATGGAGTCACTCCGTGGAGGGCTGG
 AGATGTTGCCCCAGGCCCTTCAACTACCTAACAAAGTAAAGGGGTCACTATCCTCAGTGGTCAGCCAGC
 CTGCGGGCTCAGCCTTACGCCAGAAGGGCACTGGAAGGTGTCTTAGGGGACAGCAGTCTGGAGGCTGAC
 CACATTATAAGCACCATTCCAGCTTCAGTGCTCAGCAAGCTGCTCCCTGCCGAGGCTGCACCTCTGGCTC
 ACATCCTGAGTACCATCCAAGCTGTGTCTGTGGCCGTGGTGAATCTGCAGTACAAAGGAGCTTGTCTGCC
 TGTGCAGGATTGGACATCTGGTGCCATCCTCAGAAGACCCGACCGTCTGGGAATCGTGTATGACTCG
 GTTGCTTTCTGAGCAGGATGGGAACCCCGCCCTCAGACTGACTGTGATGTTGGGAGGTTACTGGT
 TACAGAAGCTGAAAGCCAATGGCCATGAATTGTCTCCAGAGCTATTCCAACGAGCAGCAGGAAGCGGC
 TGCCACACAGTTAGGACTGAAAGAGCAACCAAGCCATTGCTTGGTCCATCTACACAAAACTGTATCCCT
 CAGTATACACTAGGCCACTGGCAAAAAGTACTCAGCTCTGCAATTCCTGACGGCCAGAGGTTGCCCC
 TGACTTTGGTGGGGCTCCTATGAGGGGTAGCTGTCAATGACTGTATAGAGAGTGGGCGCCAGGCAGC
 AATTGCTGCTCTGGGCACAGAATCGAACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200907 representing NM_001105968
 Red=Cloning site Green=Tags(s)

MARTVIVLGGGISGLAASYHLTRSPSPKVIIVLVEGSKRLGGWIRSVRGSAGIFELGPRGIRPAGALGAR
 TLLL VSELGLESEVLPVRGDHPAAQNRFLYVGGALHPLPSGLRGLLRPSPPFSKPLFWAGLRELTKPRGK
 EPDET VHSFAQRRLGPEVASLAMDSL CRGVFAGNSQEL SIRSCFPSLFQAEQTHGSMMLLGLLLGAGQTPQ
 PNSSLIRQARAERWSQWSLRGGLEMLPQALHNYLTSKGVITILSGQPACGLSLQPEGHKWSLGDSSLEAD
 HIISTIPASVLSKLLPAEAPLAHILSTIQAVSVAVVNLQYKGAQLPVQGFHGLVPSSDPVTLGIVYDS
 VAFPEQDGNPGLRLTVMLGGYWLQKLGKANGHELSPELFQRAAQEAAATQLGLKEQPSHCLVHLHKNCIP
 QYTLGHWQKLDLQFLTAQRLPLTLGASVYEGVAVNDCIESGRQAAIAVLGTESNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

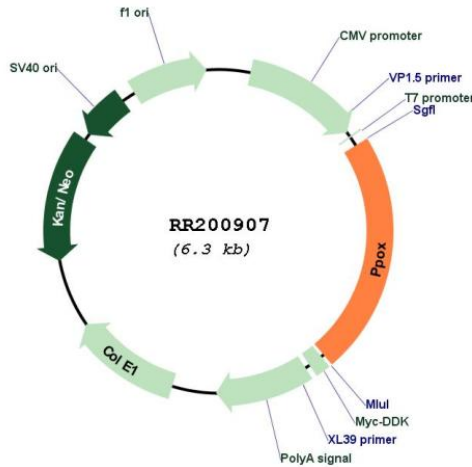
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105968

ORF Size: 1431 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:

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_001105968.1](#), [NP_001099438.1](#)

RefSeq Size: 1793 bp

RefSeq ORF: 1434 bp

Locus ID: 289219

Cytogenetics: 13q24

MW: 50.8 kDa