

Product datasheet for **RR206208**

Rp2 (NM_001109012) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rp2 (NM_001109012) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rp2
Synonyms: RGD1565124; Rp2h
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206208 representing NM_001109012
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGCTGCTTCTCTAAGAGGCGGAAGAGTGGAAAGGAGTCGCGGACTGAGGGAGAGGAGGAGCAGC
 CCAAGCTGTACAGCTGGACCAACGGGAGAAGGTTGATCCAAAAGATTACAGTTTGTAGTGGACTAAAGGA
 CGAAACAGTAGGTCGCTTACCTGAAAAAGTGGCAGGACAACAGTTTGTCACTCAAGACTGTGAGAACTGT
 AACATCTATATTTTTGACCACTCAGCTACTATTACTATTGATGACTGACTAACTGTGTAATTTTTTTGG
 GACCAGTAAAAGGCAGTGTGTTTTCCGAAATTGTAGAGATTGCAAGTGACATTGGCTTCCCAACAATT
 TCGTGTAAGGGACTGTAGAAAAGTTGGAAGTCTTTTTGTGCTGTGCCACTCAACCCATTATTGAATCTTCT
 ACAAACATCAAGTTTGGCTGTTTTCAATGGTACTACCCTGAATTGGCAGCCCAATTCAAAGATGCAGGCC
 TCAGTATCTTCAATAACATATGGAGTCATGTTTCATGATTTTACACCTGTGTCCGGAGAGCTCAACTGGAG
 CCTTCTGCCAGAAAATGCTGTGGTTCAAGACTATGTTCCCTCTCCAACGACTGAAGAGTTCAAAGCTGTG
 CGAATTTCCACAGATCCCAATAGAAGCATTGTTCCCTGTATCCCGGGTCCAGAGACAGAAGTACAGTGATG
 AATCATGTCTCGTGGTGTATTTGCCGATGATTATACAACACAAATGCCAGGAACTAATTGATGAGAT
 GGTTGGCAAAGGCTTTTCCCTAGTGCAGACAAAAGGAAATGTCAATGAAAACCTGAAGATGCTCAGAGGGTT
 TTCGGGAAAAGGCATCAGACTTTTTACTTCTTAAACAAAGGTCTGTGATTGCCCTGGAATTTAATG
 GAGATGATGCTGTACAAGAATGTCACCTTATTGTAATGGGCTATTCAACGGGACAAAGATGTTGTATC
 AGAAAAAAGGAGACCGCATCTGGAGATGTTGACAGCTTCTATACTTTGCTGAGATCCAGATGGGGATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206208 representing NM_001109012
 Red=Cloning site Green=Tags(s)

MGCCFSKRRKSGKESRTEGEEEQPKLYSWDQREKVPKDYTFSGLKDETVGRLPGKVAGQQFVIQDCENC
 NIYIFDHSATITIDDCNTCVIFLGPVKGSVFFRNCRDCKCTLACQQFRVRDCRKLKLVFLCCATQPII ESS
 TNIKFGCFQWYYPELAAQFKDAGLSIFNNIWSHVHDFTPVSGELNWSLLPENAVVQDYVPLPTTEEFKAV
 RISTDPNRSIVPVSRRGQRQKYSDESLVFLFADDYTTANARKLIDEMVGKGFSLVQTKEMSMKTEDAQRV
 FREKASDFLLLLNKGPVIALEFNGDDAVQECHLIYNGLFNGTKMFVSEKKETASGDVDSFYNFAEIQMGI

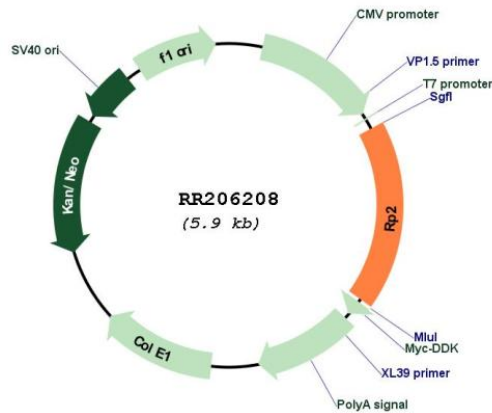
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109012

ORF Size: 1050 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:	<u>NM_001109012.1</u> , <u>NP_001102482.1</u>
RefSeq Size:	4228 bp
RefSeq ORF:	1053 bp
Locus ID:	367714
Cytogenetics:	Xq11
MW:	39.7 kDa