

Product datasheet for **RR204934**

Zp3 (NM_053762) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Zp3 (NM_053762) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Zp3
 Synonyms: Zp-3
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR204934 representing NM_053762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCCAGCTGTCTACTCTTCTGTGTCTCTGTGTGCGGAGGCCAGAACTGTGCTATCCCAGA
 CTCAATGGCTTTTACCGGTGGAACCCACCCAGCGGGTCTCATCACCTGTGGAGGTGGAGTGTA
 GGAAGCTGAGCTAGTGGTACTGCCGTAGAGACCTTTTGGCACAGGGAAGCTCGTGCAGCCCGGGAC
 CTACCCTTGGCTCAGAAGGCTGTAGCCCTCGTAGCAGTGGATACTGACGTAGTCAGGCTCAACGCC
 AGTTGCATGAATGCAGCAGCGGGTGCAGGTGACAGAAGACGCCCTGGTGTACAGCACCTTCTGTCCA
 CGACCCTCGCCCTGTGAATGGCCTGTCTATCCTAAGGACTAACCGGTGGAGTCCCATTTGAGTGCCGA
 TACCCAGGCAGGCAATGTGAGCAGCCACCTATCCAACCCACCTGGGTTCCCTCAGCGCTACTGTGT
 CCTCGGAGGAGAACTGGCTTCTCTCTCTGTCTGATGGAGGAGGACTGGAATACTGAGAAATCATCTCC
 CACCTTCCACCTGGGAGAGGTAGCCACCTCCAGGCGGAAGTCCAGACCGGAAGCCACCTGCCTCTCGAG
 TTGTTTGTGGACCACTGCGTGGCCACGCCTTACCCTGGCCAGGCAAGTCCATTTCAAGTCCCTCA
 TCGTGGACTCCCATGGATGCCTTGTGGACGGTCTATCTGAGAGCTTTTTCAGCATTTCAGTCCCTAGACC
 CCGGCCAGAGACTCTGCAGTTCACAGTGGACGTATTCCATTTCCGCAACAGCTCCAGAAATACGGTTTAC
 ATCACCTGCCATCTCAAAGTTCGCTCCAGCTAACAGATCCCCGATAAGCTCAACAAGCCTGTTCTTCA
 ACAAGACTTCCCAGAGTTGGTGGCAGTAGAGGCGATGCTGACATCTGTGATTGCTGCAGCAATGGCAA
 CTGTAGTAATTCAGCTCTTCAGAGTTCGAGACCCATGAACCAGCCAGTGGTCCACGCTAGTTTCTCGA
 AACCGCAGGCACGTGACGGATGAAGCTGATGCTACTGTAGGGCCCTGATATTCTTGGAAAAGCAAATG
 ACCAGGCTGTGGAGGCTGGACCTTCTGCTCAAACCTCTGTGGCTCTCGGCTTAGGCTTGGCCACAGT
 GGCATTCTGACCCTGGCTGCTATTGTCCTTGGTGTACCAGGATGTGTACACCTTCTCTACCTGTA
 TCCCTTCTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR204934 representing NM_053762
 Red=Cloning site Green=Tags(s)

MGPSCLLFLCLLLCGPELCYPQTQWLLPGGTPTAGSSSPVEVECKEAEELVVTARRDLFGTGKLVQPGD
 LTLGSEGCQPLVAVD TDVVRLNAQLHECSSGVQVTE DALVYSTFLLHDP RPVNGLSILRTNRVEVPIECR
 YPRQGNVSSHPIQPTWVPFSATVSSEEKLAFLSLRLMEEDWNT EKSSPTFHLGEVAHLQAEVQTGSHLPLQ
 LFVDHC VATPSP L PGQNSSPHHFIVDSHGCLVDGLSEFSAFQVPRPRPETLQFTVDVFHFANSSRNTVY
 ITCHLKVAPANQIPDKLNKACSFNKTSQSWLPVEGDADICDCCSNGNCSN SSSSEFETHEPAQWSTLVSR
 NRRHVTDEADVTVGLIFL GKANDQAVEGWTSSAQTSVALGLGLATVAF LTLAAI VLGVTRMCHTSSYL
 V SLPQ

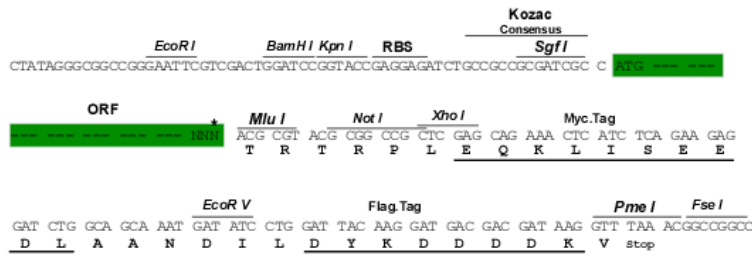
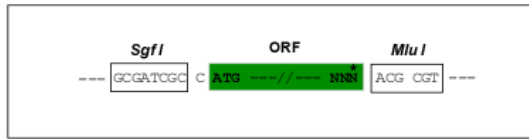
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

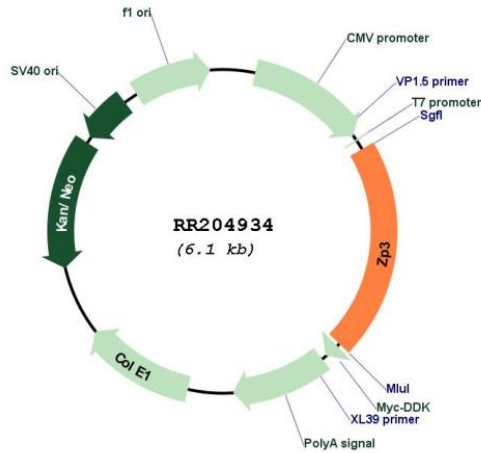
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_053762

ORF Size:	1272 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_053762.1 , NP_446214.1
RefSeq Size:	1320 bp
RefSeq ORF:	1275 bp
Locus ID:	114639
UniProt ID:	P97708
Cytogenetics:	12q12
MW:	45.8 kDa
Gene Summary:	glycoprotein component of the zona pellucida [RGD, Feb 2006]