

Product datasheet for **RR202265**

Actl9 (NM_001108077) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Actl9 (NM_001108077) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Actl9
Synonyms: Actl9a; RGD1306886
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202265 representing NM_001108077
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCAATGGATACCCAAAGCCCCAGCCCTCCCCGAAACTCATGGGCCTCCTTCCTGACCTCTA
 ACACAGTCCTGGTGGAGCAAGAATCTAGAGCAAGATTCCTTCAGTGTGGTGGGAGACAGGTTCCCACTGAA
 AACAGGTGCTGTGGTTATTGACATGGGCACAGGCACCTGTAAGGTAGGCTTTCGAGACAATCCCAACCC
 ACCTACTCGGTGGCCACCATCCTGGGTTGCCAGCCCAAGAAACAGGCTACCAAGGGCCAATCGGAGCTGG
 AAATTTTATTGGGGAGGCAGCCCGCTCCCGCCAGAAGTGGAGTTGGTGAAGCCTATTCGCAATGGCAT
 TGTGGTGGACTGGGAAGCAGCCGAATAATATGGCGACACATCCTGGAACATGATCTCCGAGTAGCCACC
 CAAGAGCACCCCTACTGTTTTCCGGATCCACCCTTCAGCCCTGCCACCAACCGAGAGAAGCTAGTAGAGG
 TGGCCTTTGAGTCTCTGCACTCCCAGCCTTGATGTGGCCTCTCAATCTGTATTGTGCTAGTCTATGCTCA
 CGGACGTGTTAACGGACTCGTTGTGGACTGGCCACGGAGTCAGCTACACAGTCCAGTTGTTCCAGGGT
 TACAACCTACCCCATGCCATCCAACGCTTGGACCTGGCAGGCAACCATCTTACTGCCTTCCATGACAGAAA
 TGATCCTGGGCTCTGGCTTCTCATTGCAACAGGAGGACCTGGACTTGGTGGAGAACAATCAAACATCATT
 CTGCTATTTGGCCTCAGATTTCCAAAAGGAACAGGCCCGCCAGATCAGGAGTGCAAGCAAACCTGAGG
 CTTCTGATGGACGGACTGTTACTCTGGGAAAAGATTATTCCAGTGTCCAGAGCTCCTATTCCATCCCC
 CAGAGATTCCAGGATTATCGCCCATGGCCTCCAGCCATGGCTGAACAGAGCCTCCTCAGGGTGCCTCA
 AGATCTACGGCCCATGTGGCCAGAAATGTGATCTTATGTGGAGGCTCCTCACTTCCACCGCCTGGAG
 AGTCGTTCCAGGGCAGAGCTGCTACGTTCTGTCCCCTGAGGACCAGTGTGGTTCATGGCACAGCCCA
 ACAGGAATCTTTCAGTGTGGATCGGGGCTCCATTTTGGCCTCACTACATGCTTCCAGTCTGTTGGGT
 CCTGCGGGAACAATGAAGAAATGGGACCCAGGTTGTATACCGAAAATGCTACCCTGCGGGAACAATA
 TGAAGAAATGGGACCCAGGTTGTATACCGAAAATGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202265 representing NM_001108077
 Red=Cloning site Green=Tags(s)

MDVNGYKPKQPSPETHGPPSLTSNTVLVSKNLEQDSFSVVGDRFPLKTGAVVIDMGTGTCKVGFAGQSQP
 TYSVATILGCQPKKQATKGQSELETFIGEAAARSPELRLVKPIRNGIIVDWEAAELIWRHILEHDLRVAT
 QEHPLLFSDPPFSPATNREKLVEVAFESLHSPALYVASQSVLSVYAHGRVNLVVDTHGHVSYTVPVVQG
 YNLPHAIQRDLAAGNHLTAFLAEMILGSGFSLQQEDLDLVENIKHHYCYLASDFQKEQARPQDQECKQTLR
 LPDGRVTVLGKELFQCEPELLFHPPEIPGLSPMGLPAMAEQSLLRVPQDLRPHVAQNVLICGSSSLFTGLE
 SRFRAELLRSLSPEDHVYVMAQPNRNLVSWIGGSILASLHAFQSCWVLRQEYEMGPQVYVRKCYPAGTI
 *RNGTPGCIPKML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

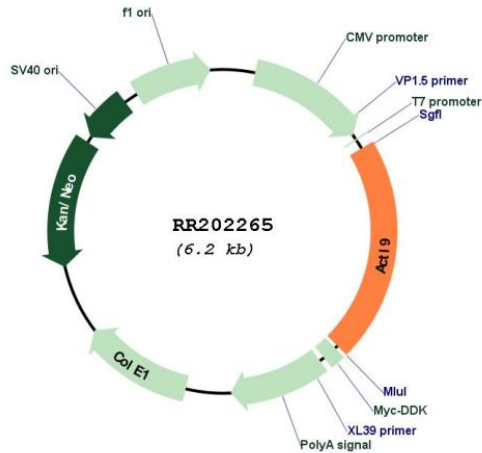
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108077

ORF Size:	1245 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 Size:	1378 bp
RefSeq ORF:	1248 bp
Locus ID:	314659
Cytogenetics:	7q12
MW:	45.8 kDa