

Product datasheet for MR224513

Actl9 (NM_183282) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actl9 (NM_183282) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Actl9
Synonyms:	1700029I08Rik; AV259599
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224513 representing NM_183282 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTCAATGGACACCCAAAGTTCAGCCCTCCCCAGAGACTGATGGGCCTCTCCCTGACCTCTA
GTACACTCATGGTGGAGCAAGAGTCTACAGCAAGATTCCCTCAGTATGGTGGGAGACAGGCTCCCAACAA
AACTGGTGTGTGGTTATTGACATGGGCACAGGCACCTGTAAGGTAGGCTTTGCAGGACAGTCCCAACCC
ACCTACACGGTGGCCACCATCCTGGGTTGCCAGCCAAAGAAACAGGCTACCAAGGACCAGTCGGAGCTGG
AACTTTTATTGGGGAGGCCCGCTCCCGGCCAGAAGTGGTGAAGCCTATTCGCAATGGCAT
TGTGGTGGACTGGGAAGCTGCGGAATAATATGGAGACACATCTTGAACATGATCTCCAAGTAGCCACC
CATGAGCACCCCTCTACTGTTTTTCAGATCCACCCTTCAGCCCTGCCACCAACCGAGAAAAGCTAGTAGAAG
TGGCCTTTGAGTCTCTGCACTCCCAGCCTTATATGTGGCATCTCAATCTGTATTGTGTCAGTCTATGCTCA
CGGGCGTGTCAATGGACTTGTGTGGACACCGCCATGGAGTCAGCTACACGGTGGCAGTTGTTCCAGGGT
TACAACCTACCCCATGCCATCCAACGCTTGGACCTGGCAGGAAACCATCTTACTGCCTTCTAGCAGAGA
TGCTCCTGGGCTCTGGCTTCTCGTTGCAACAGGAGGACCTGGACTTGGTGGAGAACATCAAACATCATT
CTTCTGATGGACGGACTGTCACTCTGGGAAAGGAGTTATCCAGTGGCCAGAGCTCCTATCCATCCCC
CGGAGATTCCAGGATTGTCGCCATCGGCCTCCAGCCATGGCTGAACAGAGCCTCCTCAAGGTGCCTCA
GGAGCTACGGCCTCATGTGGCCCGAATGTGATACTATGCGGAGGCTCCTCACTTTCACCGGCCTGGAG
GGTTCGTTCCAGGGCAGAGCTACTGCATTCTATCCCCTGAGGACCACGTAGTGGTGGTGGACACACCCCA
ACAGGAACCTCTCTGTGTGGATTGGGGCTCCATTCTAGCCTCATTGCATGCTTTCCAGTCTGTTGGGT
CCTACGGGAACAATGAAGAAAGGGGACCCAGGTTGTATACCGAAAATGCTAC

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224513 representing NM_183282
Red=Cloning site Green=Tags(s)

MDVNGHPKFQPSPETDGPLPLTSSITLMVSKSLQDQSLSMVGDRLPPKTGAVVIDMGTGTCKVGFAGQSQP
 TYTVATILGCQPKKQATKDQSELETFIGEAAARSPELRLVKPIRNGIIVDWEAAELIWRHILEHDLQVAT
 HEHPLLFSDPPFSPATNREKLVEVAFESLHSPALYVASQSVLSVYAHGRVNLVVDTHGHVSYTVPVVQG
 YNLPHAIQRLDLAGNHLTAFLAEMLLGSGFSLQQEDLDLVENIKHHYCYLAPDFQKEQARPDEECKQSLK
 LPDGRVTVLGKELFQCPELLFHPPEIPGLSPIGLPAMAEQSLLKVPQELRPHVARNVILCGGSSLFTGLE
 GRFRAELLHSLSPEDHVVMMAHPNRNLSVWIGGSILASLHAFQSCWVLRQYEERGPQVYVRKCY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9060_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_183282

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:

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_183282.2](#), [NP_899105.2](#)

RefSeq Size: 1380 bp

RefSeq ORF: 1248 bp

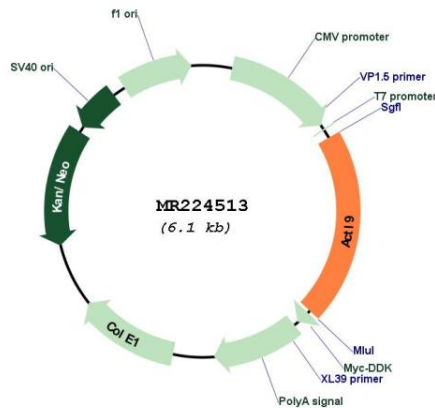
Locus ID: 69481

UniProt ID: [Q8CG27](#)

Cytogenetics: 17 B1

MW: 45.8 kDa

Product images:



Circular map for MR224513