

Product datasheet for **RN204782**

Actn1 (NM_031005) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actn1 (NM_031005) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Actn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204782 representing NM_031005
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCATTATGATTCCAGCAGACCAATGACTATATGCAGCCTGAAGAGGACTGGGACCGGGACCTGC
 TCCTGGATCCGGCTGGGAGAAGCAGCAGAGAAAACCTTACCGCCTGGTGCAACTCCCACCTGCGCAA
 AGCAGGGACCCAGATTGAGAACATTGAAGAGGACTTCCGAGATGGCCTGAAGCTCATGCTGCTCCTGGAG
 GTCATCTCAGGTGAGCGTTTGGCCAAGCCAGAGAGAGGCAAGATGCGAGTGCACAAGATCTCCAACGTCA
 ACAAGGCCCTGGATTTTCATAGCCAGCAAAGGGTCAAGCTGGTGTCCATTGGAGCTGAAGAAATTGTGGA
 CGGGAATGTGAAGATGACCCTGGGCATGATCTGGACCATCATCCTTCGTTTTGCCATCCAAGACATCTCT
 GTGGAAGAGACATCAGCTAAAGAAGGGTGTCTCTGTGGTGTGAGAGGAAGACAGCCCCATATAAAATG
 TCAACATCCAAAACCTCCACATCAGTTGGAAGGATGGTCTTGGTTTCTGTGCCTTGATCCACCGGCACCG
 GCCCGAGTTGATTGACTATGAAAAGCTTCGAAAGGATGATCCACTCACAACCTGAACACAGCCTTTGAT
 GTGGCAGAGAGATACCTGGACATTCCAAAGATGCTGGATGCAGAAGACATCGTCGGAACCTGCCCGCCAG
 ATGAGAAAAGCCATTATGACCTATGTGTCTAGCTTCTACCATGCCTTCTCTGGAGCCAGAAAGCGGAAAC
 AGCAGCCAATCGCATCTGTAAAGTGTGGCCGTCAATCAAGAGAAATGAACAGCTTATGGAAGACTATGAG
 AAGCTGGCCAGTGATCTGTTAGAGTGGATCCGCCGCCACCATCCCATGGCTGGAGAATCGGGTGCCCGAGA
 ACACCATGCAGGCCATGCAGCAGAAGCTGGAGGACTTCCGAGACTACCGACGCCTGCACAAGCCGCCAA
 GGTGCAGGAGAAGTGCCAGCTGGAGATCAACTTCAACACACTGCAGACCAAGCTGCGGCTAAGCAACCGG
 CCTGCCTTCATGCCCTCCGAGGGCAGGATGGTCTCGGATATCAACAATGCCTGGGGCTGCCTGGAACAGG
 CAGAGAAGGGCTACGAGGAGTGGTTGCTGAATGAGATCCGGAGGCTAGAGAGGTTGGACACCTGGCAGA
 GAAGTTCCGGCAGAAGGCCCTCCATCCATGAAGCCTGGACAGACGGCAAAGAAGCCATGCTGCGGCAGAAG
 GATTATGAGACGGCCACCTTGTCCGAGATCAAGGCCCTACTCAAGAAGCACGAGGCTTTGAGAGTGACC
 TGGCTGCCACCAGGACCGCTGGAGCAGATCGCGGCCATTGCCAGGAGCTTAATGAGCTGGACTATTA
 TGACTACCAAGTGTCAACGCTCGATGCCAAAAGATCTGTGACCAGTGGGACAATCTAGGGGCCCTGACT
 CAGAAGCGGAGGGAAGCTTTAGAGCGAACAGAGAAGCTGCTGGAGACCATCGACCAGCTATACTTGGAGT
 ACGCCAAGAGGGCTGCACCCTTCAACAACCTGGATGGAGGGAGCCATGGAGGACCTTCAAGACACCTTCAT
 CGTACATACCATTGAGGAGATCCAGGACTGACCACAGCCATGAGCAGTTCAAGGCTACCTCCCGGAT
 GCAGACAAGGAGCGCCTGGCCATCCTGGGCATCCACAATGAAGTGTCCAAGATTGTCAGACCTATCATG
 TCAACATGGCAGGCACCAACCCCTATACAACCATCACACCTCAGGAGATCAATGGCAAATGGGACCATGT
 ACGGCAGCTGGTCCCGGAGGGACCGCTCTAACAGAGGAGCACTCGAGGCAGCAGCACAACGAGAGG
 TTACGCAAGCAGTTTGGGGCACAAGCCAATGTCATCGGACCCTGGATCCAGACCAAGATGGAGGAGATTG
 GGAGGATCTCCATTGAGATGCACGGTACCCTGGAGGACCAACTCAGCCACCTGCGGCAGTATGAAAAGAG
 CATCGTCAATTATAAGCCAAAGATTGACCAGCTGGAGGGCGACCACAGCTCATCCAGGAAGCACTTATC
 TTCGACAATAAGCACACCAACTACACAATGGAGCACATCCGTGTGGGCTGGGAGCAGCTGCTCACCACCA
 TTGCCAGGACCATCAATGAAGTGGAGAACCAGATCTTGACCCGGATGCCAAAGGCATCAGCCAGGAACA
 GATGAACGAATTCGGGGCTCCTTCAACCCTTGGACCGGATCACTCCGGCAGCTTGGTCCCGAAGAG
 TTCAAAGCCTGCCTCATCAGCTTGGGTTATGATATTGGCAACGACCCCAAGGGAGAGGCAGAATTTGCC
 GGATCATGAGCATTGTAGACCCCAACCGCTTGGGGTAGTGACATTCCAGGCCTTCATCGACTTCATGTC
 CCGAGAGACGGCTGACACAGATACAGCGGATCAGGTGATGGCTTCTTCAAGATCCTGGCTGGAGATAAG
 AATTACATCACCGGGGATGAGCTGCGCCGAGCTGCCACCTGACCAAGCCGAGTACTGCATCGCGAGAA
 TGGCCCCCTACGCGGGCCTGACTCCGTGCCGGGTGCTCTAGACTACATGTCTTCTCCACGGCGCTGTA
 CGGCGAGAGTGACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031005

Insert Size:	2679 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_031005.3 , NP_112267.1
RefSeq Size:	2956 bp
RefSeq ORF:	2679 bp
Locus ID:	81634
UniProt ID:	Q9Z1P2
Cytogenetics:	6q24
Gene Summary:	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein (By similarity).[UniProtKB/Swiss-Prot Function]