

Product datasheet for **RN214912**

Actl7a (NM_001011973) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actl7a (NM_001011973) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Actl7a
Synonyms:	Arp7a; T-actin 2; Tact2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214912 representing NM_001011973
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTCTGGATGCTGTGTGGGCTCCACAGACAGCAAACATCGGGGACGGCCTGCCAAGAAAGCTAGTG
 ACCAGACCTCCATGCAGACACAGGTCTCCAGACTGCCTCCCTAAGAGATGGCCCAGCAAAGAGGGCAGT
 ATGGGTCCGTCGGGACAATGCTGAGAAAAGAAGAGCCTGTAAAGTCAGCTGTGTCCAAGGATAGGCCAAGG
 CTAGAGGTGACCAAAGCAGTGGTTGTGGACCTAGGTACTGGCTTCTGTAATGTGGCTTTGCTGGCCTGC
 CAAAGCCCACTATAAGATCTCAACAACAGTGGGCAAGCCCTACATGGAGACAGCCAAGACTGGGGATAA
 TCGCAAAGAGACCTTTGTGGGCGTGAGCTCTTTAACCCAGATATACATCTCAAACCTGGTCAACCCCTG
 CGTCATGGCATCATTGTGGACTGGGACACAGTACAGGACATCTGGGAATACCTCTCCGACAGGAGATGA
 AGATCGCCCCAGAGGAACATGCGGTCTGGTTTCAGACCCACCACTGAGTCTCACACCAACAGAGAGAA
 GTACGCCGAGATGCTGTTTGTGGACTTTCAACACGCCTGCAATGCACATCGCTACCAGTCCCGCCTGTCC
 ATGTAATCCTACGGACGCACCTCTGGCCTGGTGGTGGAGGTCCGACATGGTGTGTCTATGTGGTCCCA
 TCTATGAGGGTTATCCTTTGCCAGCATCACAGGGAGGCTAGACTACGCGGGATCTGACCTAACGAACTA
 CCTGATGAACCTGATGAACAACCTGTGAAAAACCTTCTCTGAGGACCACCTTAGTATTGTGGAAGACATC
 AAGACGAAATGCTGCTTTGTGGCCCTGGACCCATTGAAGAGAAGAAAATCCCTCCCACTGAAACACGAGA
 TCCATTAACTCTGCCTGATGGGAAAGAGATCCGTCCTGGGTCAGGAGAGGTTCTCTGCTCAGAGATGTT
 CTTCAAGCCATCTCTAATCAAGTCCATGCAGCTGGGCCTCCACACCCAAACCGTGTCTGCTTAAACAG
 TGTGACATTGCACTCAAACGAGACCTCATGGGGAACATCTGCTCTGTGGGGCAGCACTATGCTCAGGG
 GTTCCCAACCGTCTGCAGAAGGAACCTGAGCAGCATGTGTCCCAACGACACCCACAGGTAATGTGCT
 GCCCGAGAGAGACACCGCAGTCTGGACTGGTGGTTCTATCTGGCCTCGCTCCAGGGTTTTCAACCACTG
 TGGTCCATCGCCTTGAATACGAGGAACATGGGCCTTTCTCTCTACAGAAGGTGCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001011973

Insert Size: 1323 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:

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_001011973.1, NP_001011973.1

RefSeq Size: 1507 bp
RefSeq ORF: 1323 bp
Locus ID: 298017
UniProt ID: Q641W9
Cytogenetics: 5q24