

Product datasheet for **RN202971**

Cactin (NM_001081447) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cactin (NM_001081447) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cactin
Synonyms:	RGD1563634
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202971 representing NM_001081447
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCGGCGCGGCCGCAAAATGGGTTGCACTCTCGCTCGCGCTCACGATCTGCGGGTCTAGGAGTC
 GGAAGCAGCGGAGTAGGAGTAGAAGCTGCAGCAGGAGCCGGAGCCGAAGCCGGAGCCGGAGCCGGAGCCG
 GAGCCATGGGGGAGCGGCCGAAGGCGACGCGGAACATGAGCGCGCGCGCAACGCAAAACGCGCAGTCTGA
 GGGCGCAGGTGAGATTCCGAAGGAAACCGTGTGCAGAAGTCTAGGAGGCGAAGCCGGAGCCTTCGGCCAC
 CCCGATGGCACTCACAGGACCGTCTCACACTCTGACTCGGGTGGAGAGCAAGCACAGGGCTCCCGAGC
 CCGGAAGGTCACAGGCATTTCGTGGTCCCAGGGTCATCAGCATCTAGCTCTGACTCCCCAAGACGCTCC
 CGGAGTCTGGAGTAGCTGCCCTGGCCGCGAGTCAGCAGCAGAGCCTTCAGGAACGGCTGCGGCTTCGTG
 AGGAGCGAAAGCAGCAAGAAGAGCTGCTCAAGGCCTTCGAGACACCCGAGGAGAAGCGTGCCCGGCGACT
 GGCAAGAAAGAAGCTAAGGAGCGCAAGAAGCGTGAGAAGATGGGCTGGGGTGGAGAGTACATGGGCTAC
 ACCAACACCGACAACCCCTTTGGAGACAACAACCTGCTGGGCACTTTTATCTGGAACAAAGCCTTGAGAG
 AAAAAGGCATCGGTACCTGGAGGAAAAGGAGCTGAAGGAACGTAACAAGAGGATCCAGGAGGAGAACCG
 GCTAGAGCTGCAAAAGGTAAAACAGCTGCGGCTGGAGCGGGAACGGGAGAAAGGCCATGCGGGAGCAGGAA
 CTGGAAGTGTGCAACGGGAGAAGGAGGAGCAGACTTTAAGACCTGGGAGGAGCAGGAGGACAGCTTCC
 ACTTGCGGCAGGCCAAGCTTCGTTCCAAGATCCGAATCCGAGACGGGCGGGCCAAGCCATTGACTTGCT
 GGCCAAGTACATCAGTGCAGAGGACGATGACCTGGCAGTGGAGATGCATGAACCTTACACCTTCTCAAC
 GGCCTCACGGTGGCAGACATGGAGGACCTGCTAGAGGACATCCAGGTGTACATGGAGCTGGAGCAGGGCA
 AGAAGCTGGACTTCTGGCGAGACATGACAACCATCACAGAGGATGAGATTGCCAAGCTCCGCAAGCTGGA
 GGCTCGGGCAAGGGCCAGGTGAGCGCCGTGAGGGGGTCAACGCCTCGGTGAGCTCTGACGTGACGTCC
 GTCTTCAAGGAAAGACGTACAACCAGTGCAGGTCATCTTCCAGGGCATCGAAGCAAGATCCGTGCCG
 GCGGCCCAACCTCGACATGGGCTACTGGGAGAGCCTGCTGCAGCAGTTGCGCGGCACATGGCCAGGGC
 CAGGCTCCGTGAGCGCCACCAAGATGTCCTTAGACAGAAGCTGTTCAAACCTGAAGCAGGAGCAGGGTGTG
 GAGAGTGAGCCGCTGTTTCCATCCTCAAGTCAGAGCCCACAGCCACTCACAGCCCTGAACCTGAGGAAC
 GGCCTCCAGCCCTGGGACTTCAGTGGACCCCGTGAACCCGAGGAGACCACAGCAGCAGGCGAGGCAGA
 GGGAGAGGCAGATGGCGAGGCAGTGTGATGGAGGAGGACCTGATCCAGCAGAGCCTGGCAGACTATGAC
 GCTGGCCGCTACAGCCCAGACTGCTCACCGCGCAGAGTTGCCCTTGGACGCGCATGTGCTGGAGCCGC
 ATGAGGACCTGCAGCGCCTGCAGCTGTCTCGCCAGCAGCTTCAGGCTACAGGTGACGCGAGCGAGAGTGC
 TGAGGACATCTTCTCCGGCGTGCAGGGAGGGCATGGGGCAGGATGAGGCACAGTTCAGCGTGGAGATG
 CCACTGGGTGGCCGCGCCTACCTGTGGGCCGACAAGTATCGGCCGCGGAAGCCGCGATTCTTTAACCGTG
 TGCACACAGGCTTTGAATGGAACAAATATAACCAGACACATTAGACTTTGACAACCCCTCCACCAAGAT
 CGTGCAGGGCTACAAATTTAACATCTTCTACCCGGACCTCATCCGCAAACGTGCCACACCAGAGTACTTC
 CTGGAGGCTGCGCTGACAACCGGGACTTTGCCATCCTGCGTTTCCACGCGAGCCCGCCCTACGAGGACA
 TCGCCTTCAAGATCGTCAGTCGAGAATGGGAGTACTCGCACCGCCATGGCTTCGCTGCCAGTTTGCCAA
 TGAATCTTCCAGCTCTGGTTCCACTTCAAGCGCTACCGCTACCGCCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081447
Insert Size: 2292 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:	<u>NM_001081447.1</u> , <u>NP_001074916.1</u>
RefSeq Size:	2595 bp
RefSeq ORF:	2292 bp
Locus ID:	500790
Cytogenetics:	7q11