

## Product datasheet for **MC221503**

### Cactin (NM\_027381) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cactin (NM_027381) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cactin
Synonyms:	2510012J08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221503 representing NM\_027381  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGCGGCGCGGCCGCAAAATGGGTCGGGACTCTCGCTCGCGCTCACGGTCTGTGGTTCGAGGGGTC  
 GGAAGCAGCGGAGTCGAAGCCGGGGCCGGAGCCGAGCCGGAGTCGGAGTCGGAGTCGGAGTCGGAGTCG  
 GAGCCGGAGCCGGAGCCGAGCCATGGGCGGAGCAGCCGAAGGCGACGGGAACACGAGCGCGGCCGAA  
 CGCAAGCGGCGCAGCCGAGGGCGCAGGTCAGATTCGGAAGGAGAGCAGCGGCAGAAGTCTAGGAGGCGAA  
 GCCAGAGCCTTCGACCACCCCGATGGCACTCACAGAACCAGTCTCATGCTCTGACTCGGGTGGAGGCG  
 GGCTCAGGGCTCTGGGCCGTAAGGGTCACAGGCGCTCGTGGTCCCGGGGTATCAGCGTCTAGCTTG  
 GACTCCCCAAGACGCTCCCGAGTCCCGGACAGCTACCCTGGCCCTGAGCCAGCAGCAGAGCCTGCAGG  
 AACGGCTCGGGCTTCGTGAGGAGCGGAAGCAGCAAGAAGAGCTGCTCAAGGCCTTCGAGACGCTGAGGA  
 GAAGCGTCCGCGGCGACTGGCCAAGAAGGAAGCTAAGGAACGCAAGAAGCGGGAGAAGATGGGCTGGGT  
 GAGGAGTACATGGGCTACACCAACCCGACAACCCTTTGGAGACAACAACCTGCTCGGCACCTTACCT  
 GGAACAAGGCCTTGAGAGAAGAAGGGCATCAGCCACCTGGAGGAGAAGGAGCTGAAGGAGCGCAACAGAG  
 GATCCAGGAAGACAACCGTCTGGAGCTGCAAAAAGGTCAAACAGCTGCGGCTAGAGCGGGAACGGGAGAAA  
 GCCATGAGGGAGCAGGAGCTGGAGTTGCTGCAGCGGGAGAAGGAGGCAGAACACTTTAAGACGTGGGAGG  
 AGCAAGAGGACAGCTTCCACTTGGCGCAGGCCAAGCTTCGCTCCAAGATCCGAGATGGGCGAGC  
 TAAGCCCATCGACCTCCTGGCCAAGTACATCAGCGCAGAGGATGACGACCTGGCGGTGGAGATGCACGAG  
 CCCTACACCTTCCCAACGGCCCTACTGTGGCGGACATGGAGGACCTACTAGAAGACATCCAGGTGTACA  
 TGGAACTAGAGCAGGGCAAGAATGTGGACTTCTGGCGGGACATGACGACCATCACAGAGGATGAGATTGC  
 CAAGCTCCGCAAGCTGGAGGCCCTGGCAAGGGCCAGGTGAGCGCCGTGAGGGAGTCAATGCCTCAGTC  
 AGCTCCGATGTGCACTCGGTGTTCAAGGAAAAGACGTACAACCAGCTGCAGGTATCTTCCAGGGCATCG  
 AGGGCAAGATCCGGGCCGGGGCCCAACCTGGACATGGGCTATTGGGAGAGCCTGCTGCAGCAGTTGCG  
 TGCACACATGGCCAGGGCCAGGCTCCGTGAGCGCCACCAAGATGTTCTTAGACAGAAGCTGTTCAAGCTG  
 AAGCAGGAGCAGGGTGTGGAGAGCGAGCCGCTGTTCCCATCCTCAAGTCGGAGCCCTCGGCCGCCACA  
 GCCCGAACCTGAGGAGCGACCCCCAGCCCCGGGACTTCAGTGGACCCAGTGGAGCCTGTGGAACCTGA  
 GGAGGCCACAGCACCAGGAGAAGCAGAGGGGAGGCAGAAGGGGAGGCAGTGTGATGGAGGAAGACCTG  
 ATCCAGCAGAGCCTGGCGGACTATGACCGCGCCGCTACAGCCCACGGCTGCTCACGGCACACGAGCTGC  
 CTCTGGAGCGACACGTGCTGGAGCCTCAGGAGGACCTGCAGCGCCTGCAGCTGTCTCGCCAGCAGTTCA  
 GGCTACAGGTGATGCGAGTGAGAGCGCTGAGGACATCTTCTCCGGCGTGCAGGGAGGGCATGGGGCAG  
 GATGAGGCACAGTTACAGCGTGGAGATGCCACTGGGCGGCCGGCCATCTGTGGGCGGACAAGTACCGGC  
 CGGAAAACCTCGCTTCTTCAACCGCGTGCACACGGGCTTCGAGTGGAAACAAATAAACCAGACGCATTA  
 TGACTTCGACAACCTCCACCCAAGATTGTGCAGGGCTACAAATCAACATCTTCTACCCAGACCTCATC  
 CGTAAGCGCGCCACACCTGAGTACTTCTGGAGGCTGTGCAGACAACCGGGACTTTGCCATTCTGCGCT  
 TCCATGCGGGACCGCCCTACGAGGACATCGCCTCAAGATCGTCAGTCGTGAGTGGGAGTATTGCAACCG  
 CCATGGCTTCGCTGCCAGTTCCGCAATGGAATCTTCCAGCTCTGGTTCCACTTCAAGCGCTACCGCTAC  
 CGTCGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_027381  
**Insert Size:** 2319 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_027381.2</a> , <a href="#">NP_081657.1</a>
<b>RefSeq Size:</b>	2724 bp
<b>RefSeq ORF:</b>	2319 bp
<b>Locus ID:</b>	70312
<b>UniProt ID:</b>	<a href="#">Q9CS00</a>
<b>Cytogenetics:</b>	10 C1
<b>Gene Summary:</b>	Involved in the regulation of innate immune response. Acts as negative regulator of Toll-like receptor and interferon-regulatory factor (IRF) signaling pathways. Contributes to the regulation of transcriptional activation of NF-kappa-B target genes in response to endogenous proinflammatory stimuli. May play a role during early embryonic development. Probably involved in pre-mRNA splicing (By similarity).[UniProtKB/Swiss-Prot Function]